



## **I-64 Southside & High Rise Bridge Phased Construction Feasibility Study**

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**Presented to HRTPO**  
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## Project Status

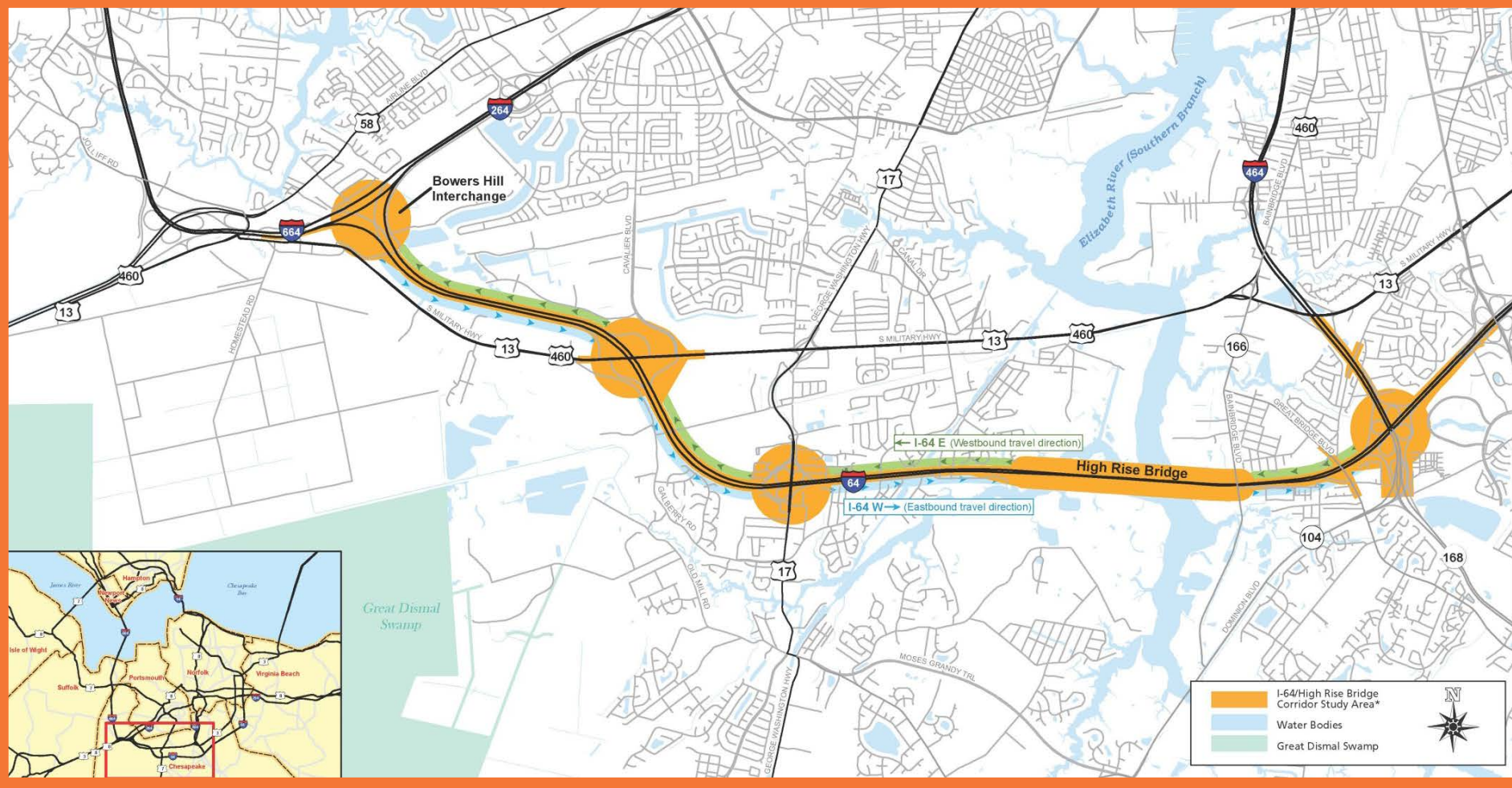
### ▪ Environmental Assessment (EA)

- Preferred Alternative Build: 8 Lanes Managed Alternative
- Bridge Height not resolved in EA
- No FONSI decision due to no funding in the CLRP

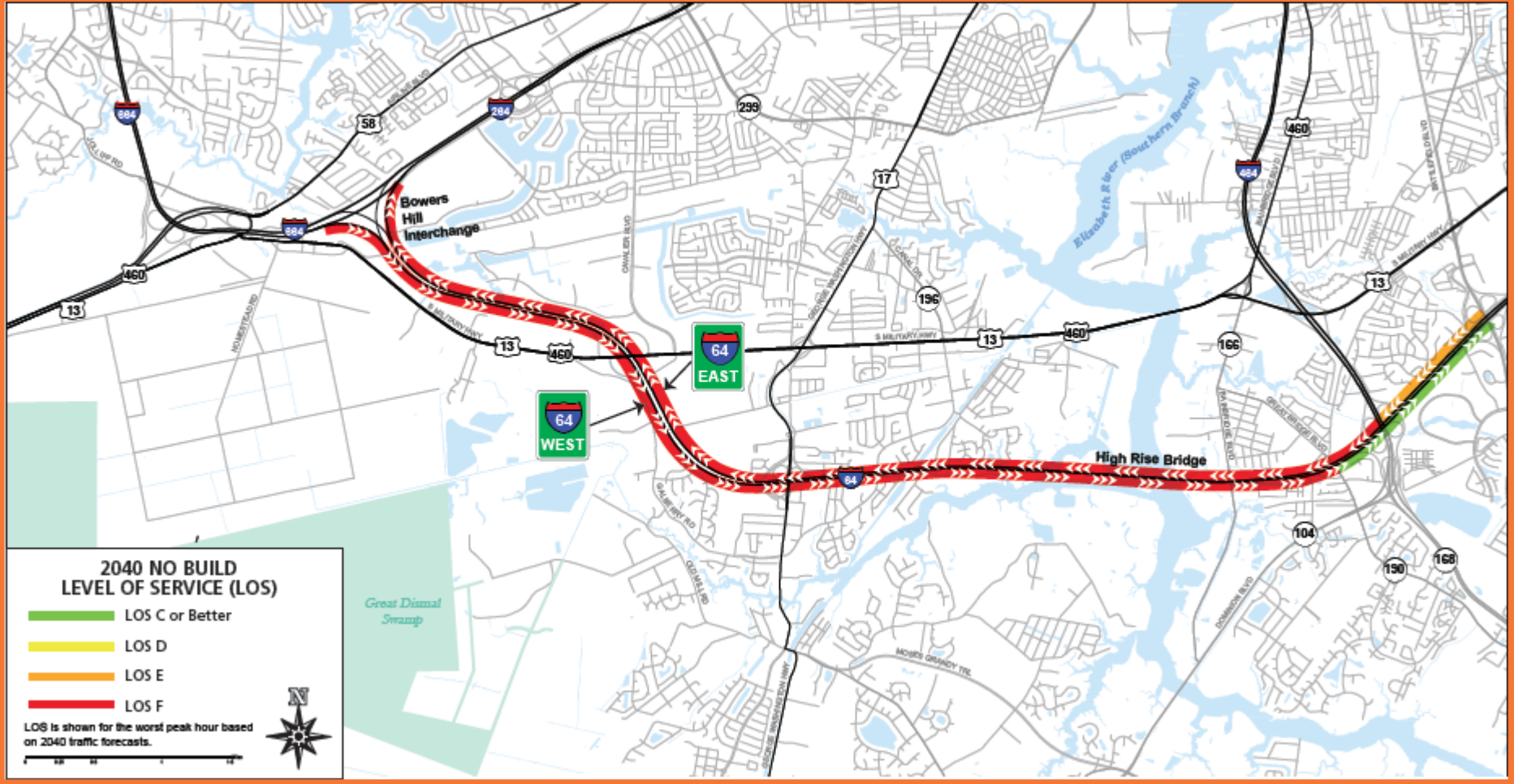
### ▪ Preliminary Engineering Started

- Survey/Mapping near completion
- Geotechnical Investigation underway
- Navigational Study Completed on Bridge Height
  - Coordination with USCG on a Preliminary Bridge Height

# Project Corridor



# Projected 2040 Traffic Conditions



## Project Options

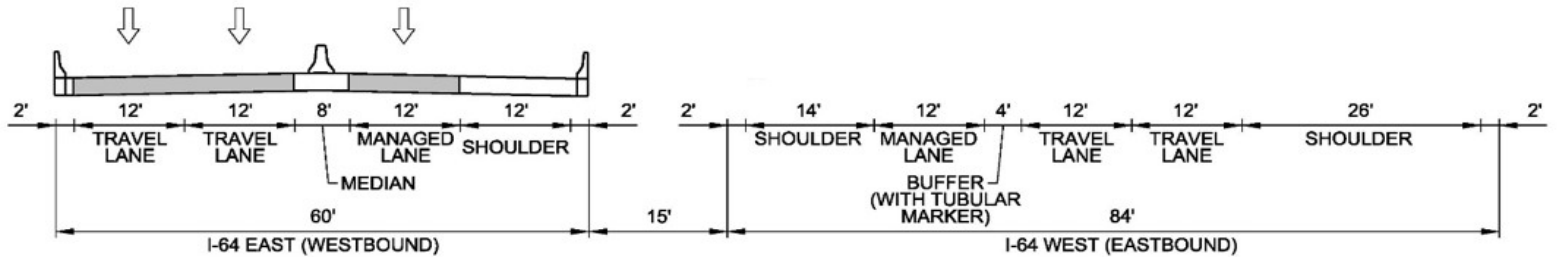
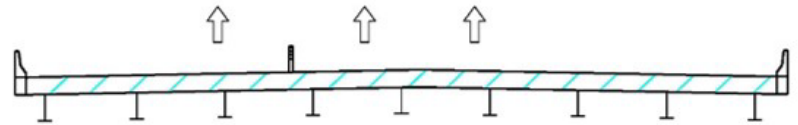
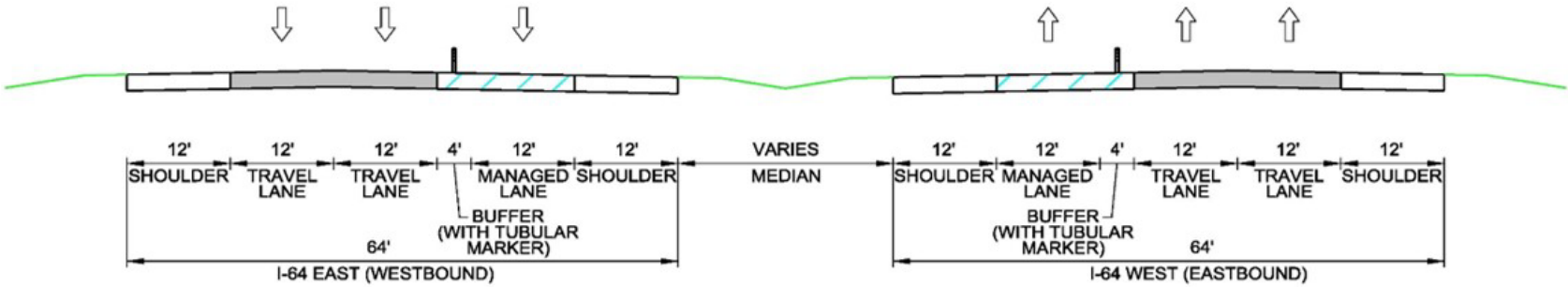
- **Preferred Alternative Build**
  - 8 Lanes (2 lanes + 2 Managed Lanes in each direction)
  - Planning Level Cost Estimates Range from \$1.2B - \$2.3B
  - Limits Region's Ability to Fund Multiple Mega Projects
- **Phased Construction**
  - 6 Lanes (2 lanes + 1 Managed Lane in each direction)
  - Provide Incremental Congestion Relief
  - Provide Operational Benefit
  - Evaluate Cost versus Benefit

## Phased Construction Features

### 6 Lanes (2 lanes + 1 Managed Lane in each direction)

- **Lane Configuration**
  - Eastbound Lanes Widen to Median
  - Westbound Lanes Widen to Median and align to New Bridge
- **Bridges Improvements**
  - Rehabilitate and widen existing bridges
  - Replace Great Bridge Blvd bridge over I-64
- **New High Rise Bridge to South**
  - Construct to accommodate 4 lanes
  - Wide enough to support 6 lanes during the construction of future phases
- **Additional capacity would be HOT lanes**
  - Breaks in HOT divider to allow access
  - No directional ramps or barrier separation

# Typical Cross Sections



## Study Objectives

- **Conduct Feasibility Assessment**
  - Traffic Modeling
  - Pavement and Bridge Condition
  - Traffic and Revenue Estimates
  - Future Phase Constructability
- **Develop Cost Estimate**
  - Engineering Estimates for Planning and Financial Modeling
- **Define Benefits of Phased Construction**
  - Construction and Implementation
  - Operations and Maintenance



## Tentative Schedule

- **Timeline**
  - **February 2016 – USCG Bridge Height Determination**
  - **February 2016 – Preliminary Cost Estimate**
  - **March 2016 – Final Phase 1 Feasibility Report**
  - **April 2016 – Proceed with Revised EA**
  - **April 2016 – Begin Design-Build Procurement**
  - **December 2016 – Release RFQ**
  - **May 2017 – D-B Contract Award**
  - **Dec 2020 – Construction Complete**