

HAMPTON ROADS REGIONAL EXPRESS LANE NETWORK PROJECT COSTS

HRTPO – Board Presentation

 Stephen C. Brich, P.E. – VDOT Commissioner

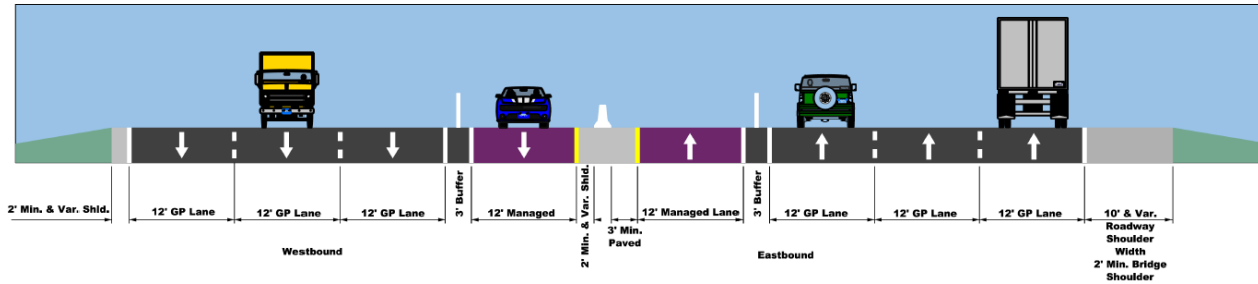
October 17th, 2019

Proposed Scenario

Jefferson to LaSalle:

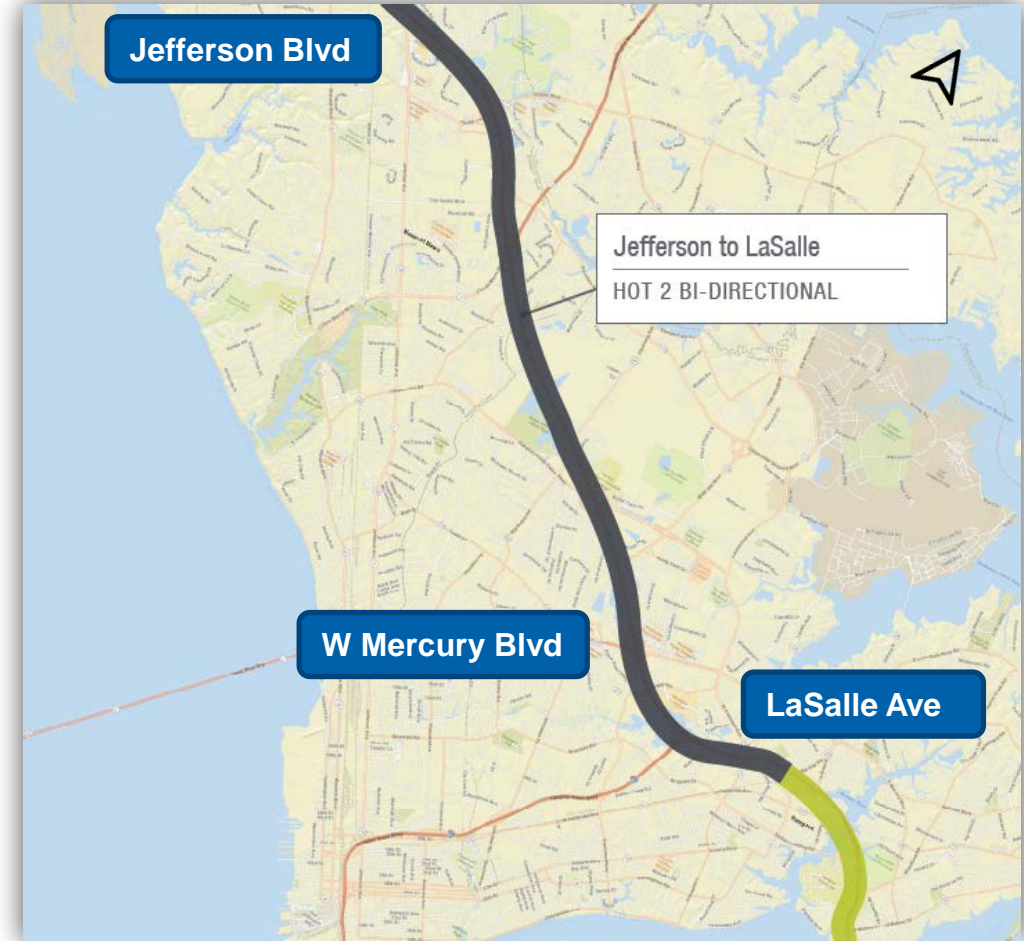
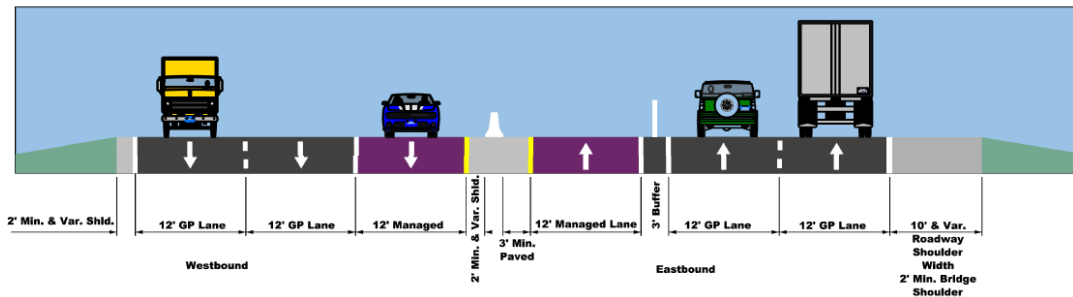
- Between Jefferson & Mercury – HOV2 to HOT2

Proposed Interstate 64



- Between Mercury & LaSalle – HOT2 (1 ML)

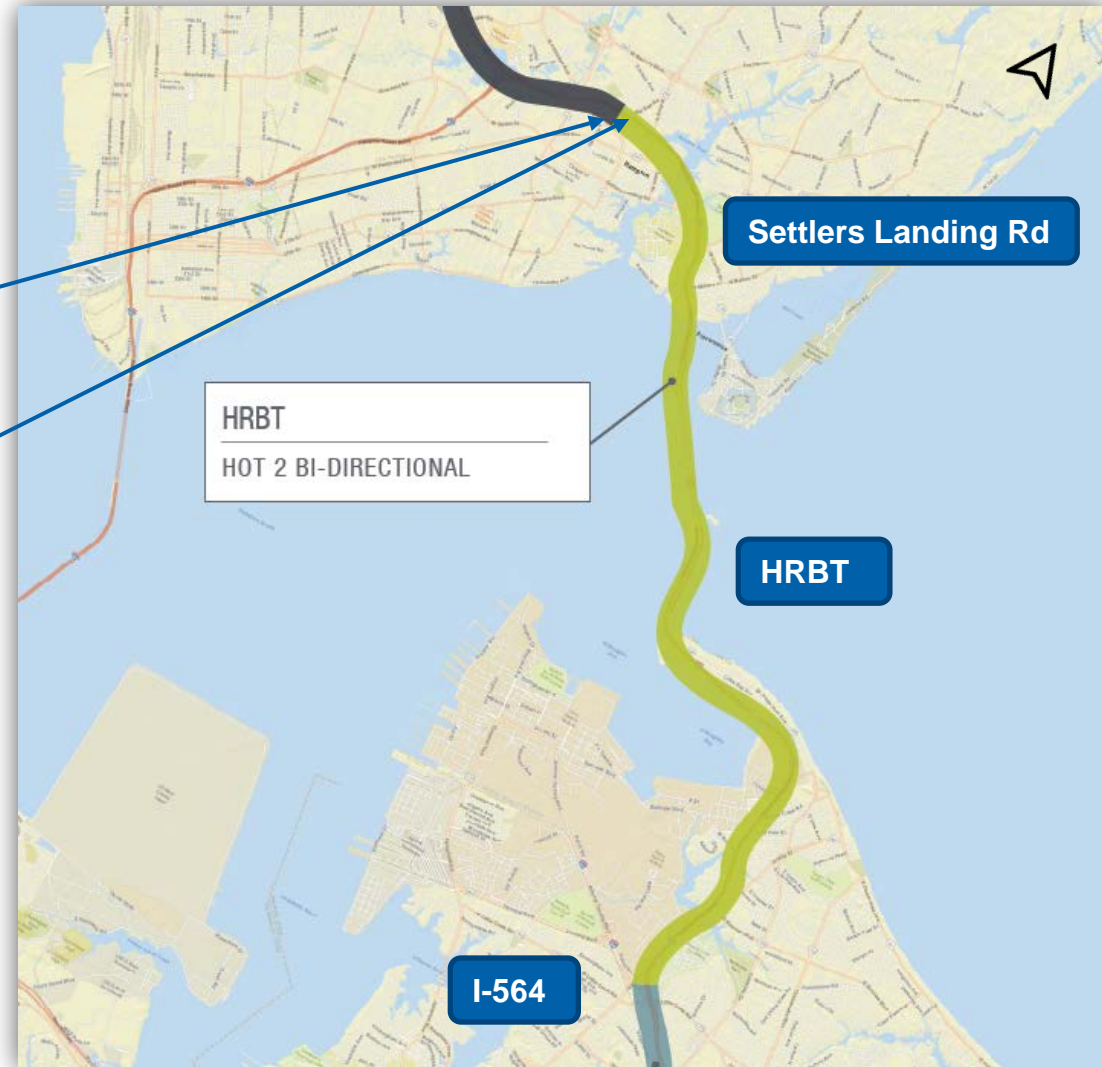
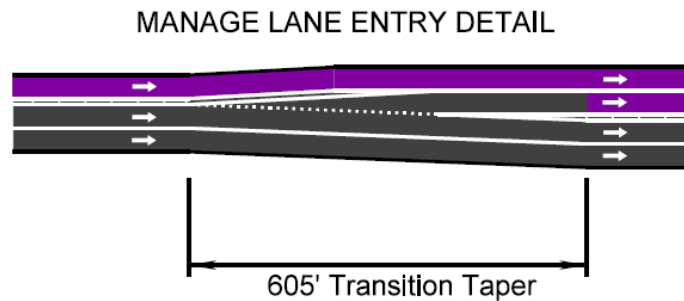
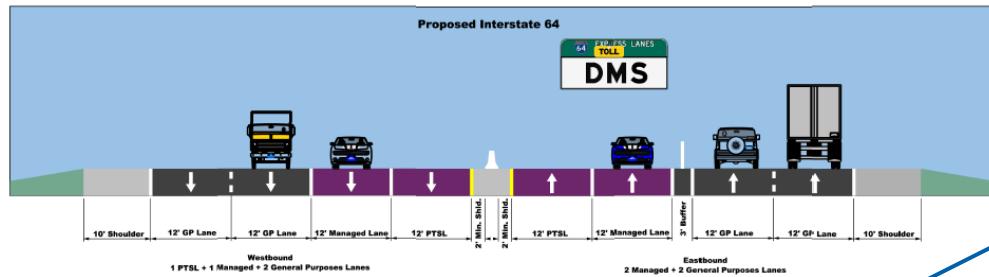
Proposed Interstate 64



Proposed Scenario

LaSalle to HRBT:

- Shift Eastbound & Westbound Ingress/Egress from Settlers Landing Rd to LaSalle Ave (2 ML)



Improvement Elements - Peninsula

- **Repurposing of HOV lane to HOT**
 - Toll gantries and equipment
 - Bollards
 - Signing and marking
- **EB Widening from Rip Rap Road**
 - Realign and replace bridge at LaSalle Ave Loop Ramp
 - Realign Rip Rap Rd and Settlers Landing Rd Ramps
 - Replacement of the King St and Hampton River Bridges
 - Rehab and Widen of Settler's Landing Bridge
 - Noise Walls
 - Right of way

Improvement Elements - Peninsula

- **WB Widening to Rip Rap Road from Settler's Landing**
 - Realign Settlers Landing Rd Ramps
 - Replace King St Bridge
 - Rehab and Widen Hampton River (required for replacement of EB Bridge), Settlers Landing Rd, New Market Creek bridges
 - Noise Walls
 - Right of way
- **Preliminary Project Order of Magnitude Estimate Range**
 - Includes PE/RW/CN/CEI/Contingency
 - Toll equipment and signing

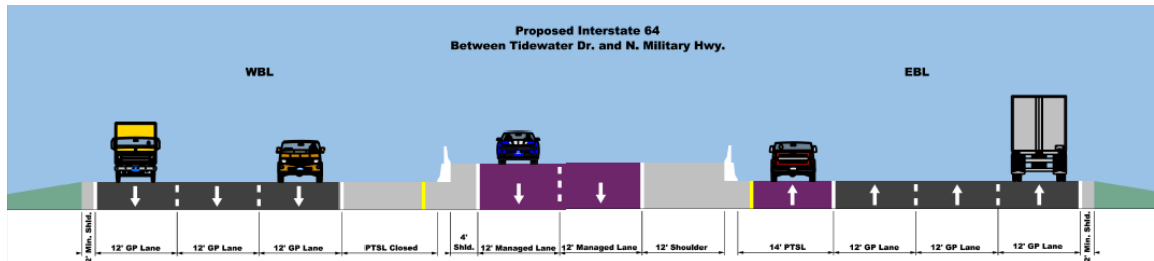
\$600M – \$650M

Proposed Scenario

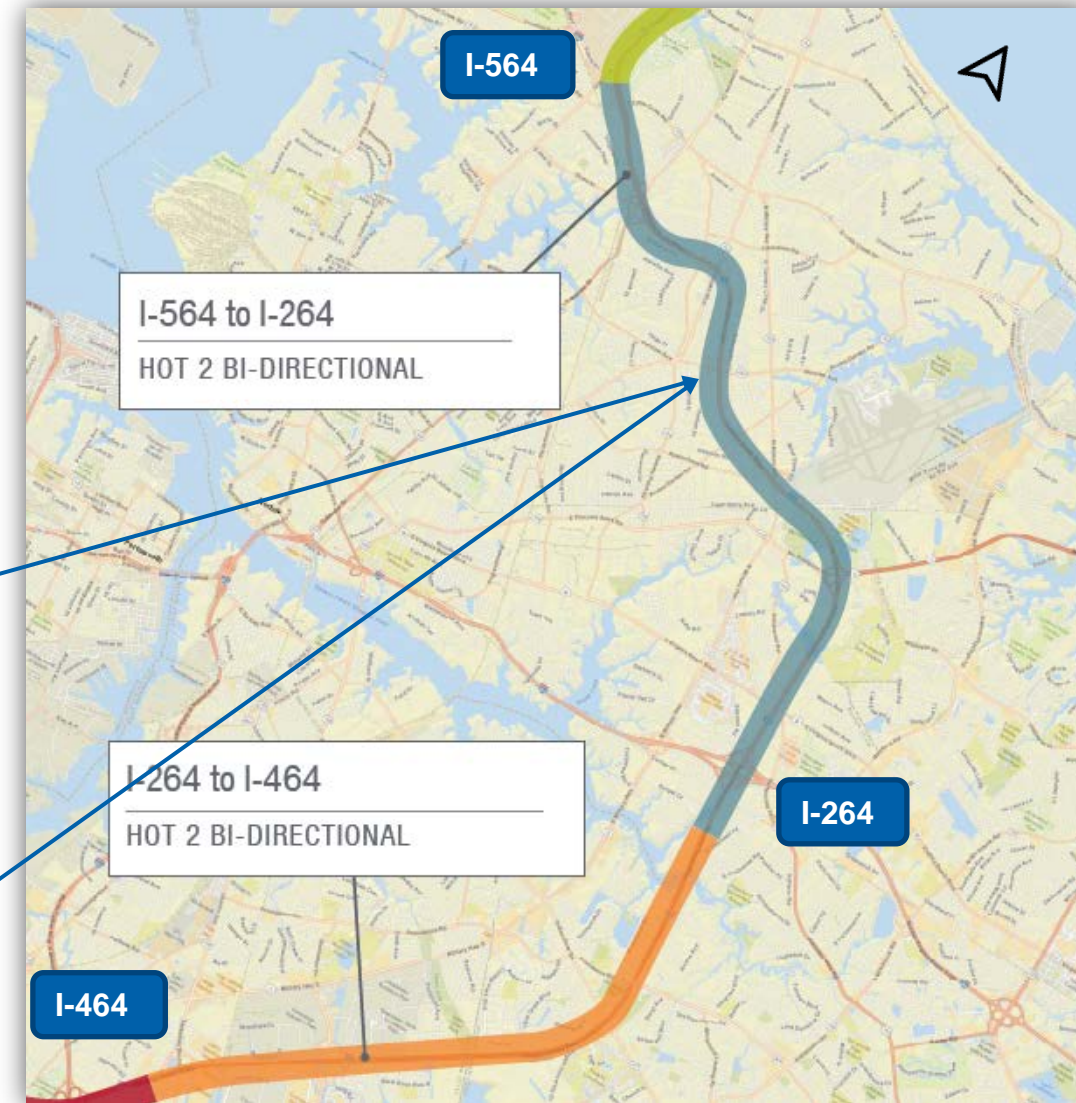
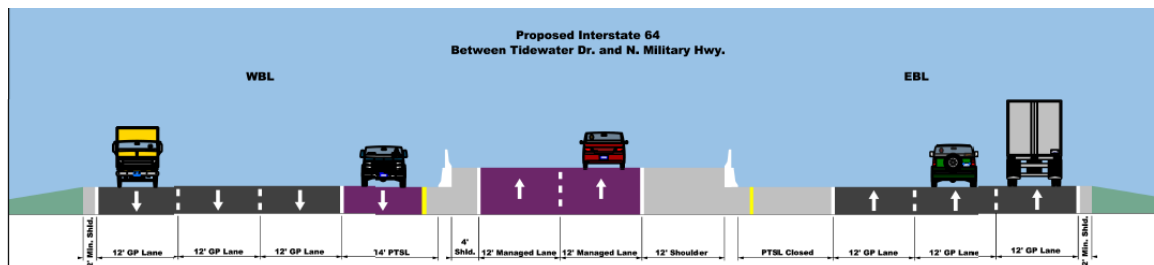
I-564 to I-264:

- HOT2 Reversible in median
- HOT2 PTSL along GP (opposite direction to reversible median lanes)

- AM Peak:



- PM Peak:



Improvement Elements - Southside

- **Repurposing of Existing Pavement**
 - Reconstruct shoulders
 - Signing and marking
 - Replace Tidewater and Chesapeake Blvd bridges
 - Noise Walls
- **WB slip ramp at I-564**
 - Provides continuous managed lane
- **Preliminary Project Order of Magnitude Estimate Range**
 - Includes PE/RW/CN/CEI/Contingency
 - Toll equipment and signing

\$170M – \$185M

Traffic and Revenue Analysis

- **VDOT is currently analyzing the following tolling scenarios:**
 - 24 hours a day, 7 days a week - HOT2
 - 24 hours a day, 7 days a week - HOT3
 - Peak periods - HOT2
 - Peak periods - HOT3
- **Analyzing and developing a weekend traffic profile model to study travel preferences and potential impact on revenues**
 - Weekend HOT versus Express Toll Lanes (no HOV discount)
- **Bonding capacity analysis to be provided**

Bonding Analysis

- **Based on the Traffic & Revenue scenarios identified, will evaluate the amount of debt that can be leveraged under different debt authorizations**
- **This will include:**
 - **Commonwealth issued debt**
 - **HRTAC issued toll debt**

Analysis will evaluate potential benefits of using TIFIA loans