



# INTERSTATE 64 WIDENING PROJECTS

Joint Commission on Transportation Accountability

Virginia Department of Transportation Commissioner Stephen Brich, P.E.

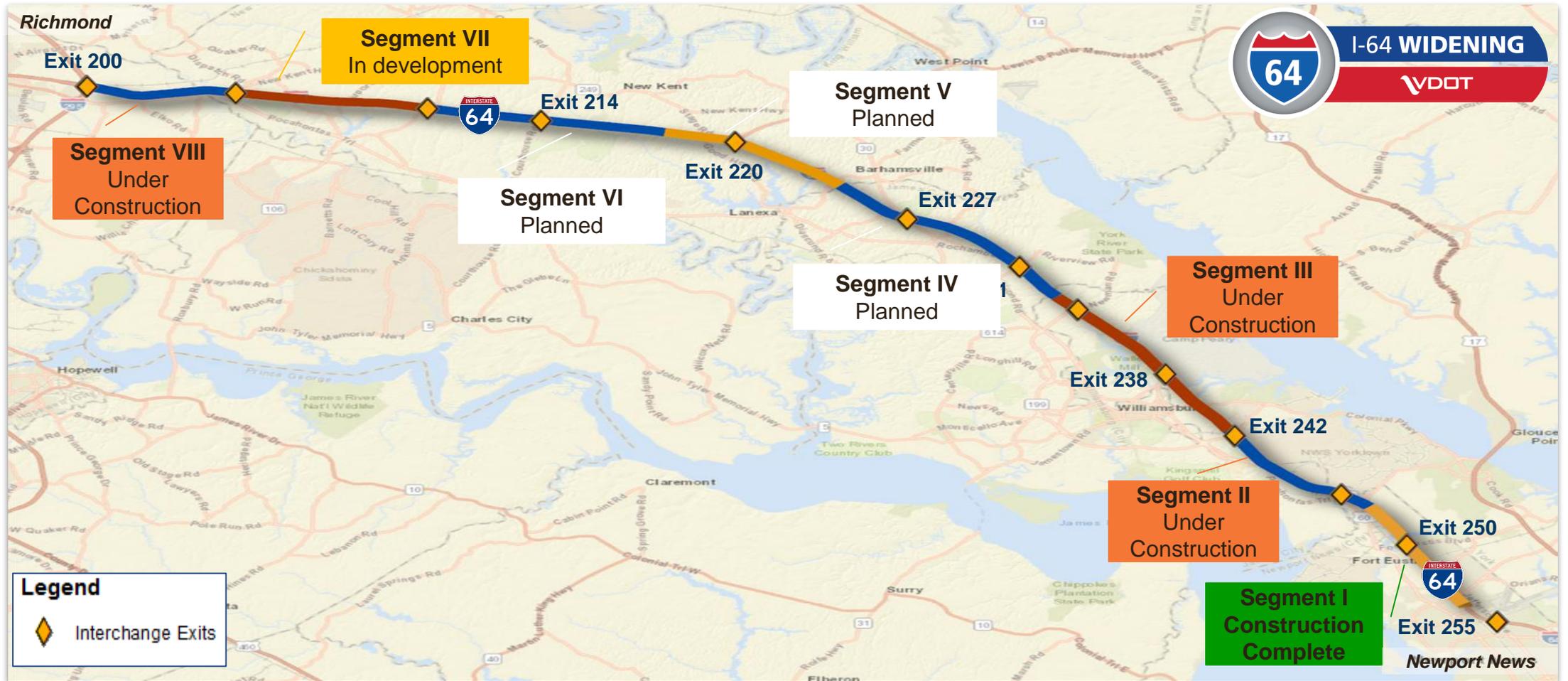
January 4, 2019

# Interstate 64 Widening | Background

- **Interstate improvement project broken into eight (potential) segments from Richmond to Newport News**
- **Aimed to:**
  - Ease congestion
  - Increase emergency evacuation capacity
  - Improve safety of transportation infrastructure
- **Improvements include:**
  - Additional lane in each direction
  - Entrance & exit ramp improvements
  - Sound walls constructed
  - Storm water management & landscaping additions
  - Sign structure replacements

# I-64 Improvements Corridor Map

## Richmond to Newport News



# I-64 Segment I | Construction Complete

**Location:** Newport News  
6.1 miles | Exit 247 - 255

**Design-Build Contractor:**  
Shirley Contracting

**Construction timeline:**  
September 2015 – December 2017

**Project cost:** \$114 million



# I-64 Segment I | Construction Complete

- **Additional lane and widen to median limiting required right-of-way**
- **Four existing bridges repaired and widened**
- **Other improvements include:**
  - **Lengthened on-and off-ramps**
  - **Sound wall construction**
  - **Added low-maintenance landscaping throughout the median and corridor**



# I-64 Segment II | Under Construction

**Location:** Newport News, James City & York counties - 7.08 miles | mm 241 - 248

**Design-Build Contractor:**  
Allan Myers

**Construction timeline:** Fall 2016 –  
scheduled completion spring 2019

**Project cost:** \$175.83 million



# I-64 Segment II | Under Construction

- **Additional travel lane and full shoulder in each direction**
- **Pavement reconstruction of existing lanes**
- **Repair and widening of nine existing bridges**
- **On-ramp and off-ramp extensions**
- **Sound wall construction**
- **Pavement recycling program**
  - **New lanes here constructed using cold central plant recycling (CCPR)**
  - **Methodology reduces project costs**



# I-64 Segment III | Under Construction

**Location:** York County –  
8.2 miles | Exit 234 - 242

**Design-Build Contractor:**  
Shirley Contracting

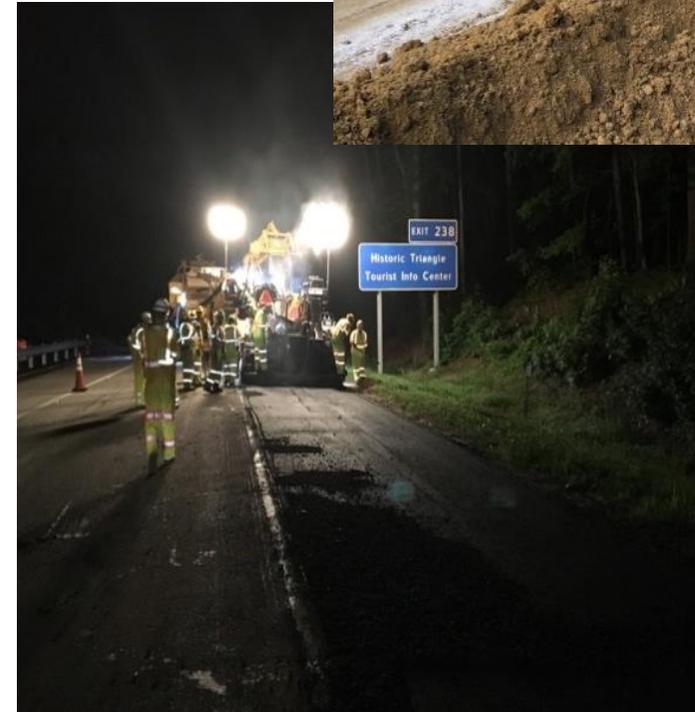
**Construction timeline:** Summer 2018  
– scheduled completion fall 2021

**Project cost:** \$244 million



# I-64 Segment III | Under Construction

- **Additional travel lane and left shoulder**
- **Widening four existing bridges**
  - Colonial Parkway Bridges, Lakeshead Drive Bridges
  - Replace Queens Creek Bridges
- **Drainage improvements**
- **On-ramp and off-ramp extensions**
- **Sound wall construction**



# I-64 Segment VIII | Under Construction

**Location:** Henrico & New Kent |  
3.8 miles – Exit 200 - 205

**Design-Build Contractor:**  
Corman-Branch

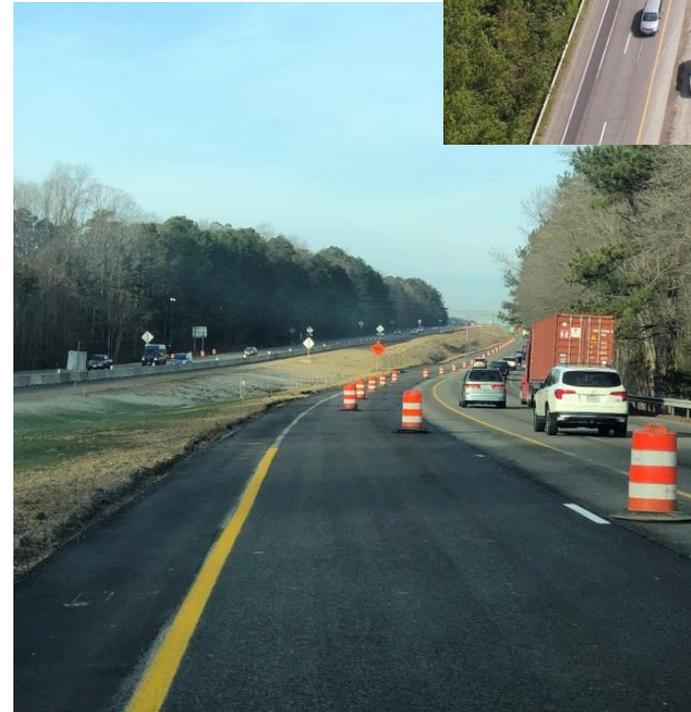
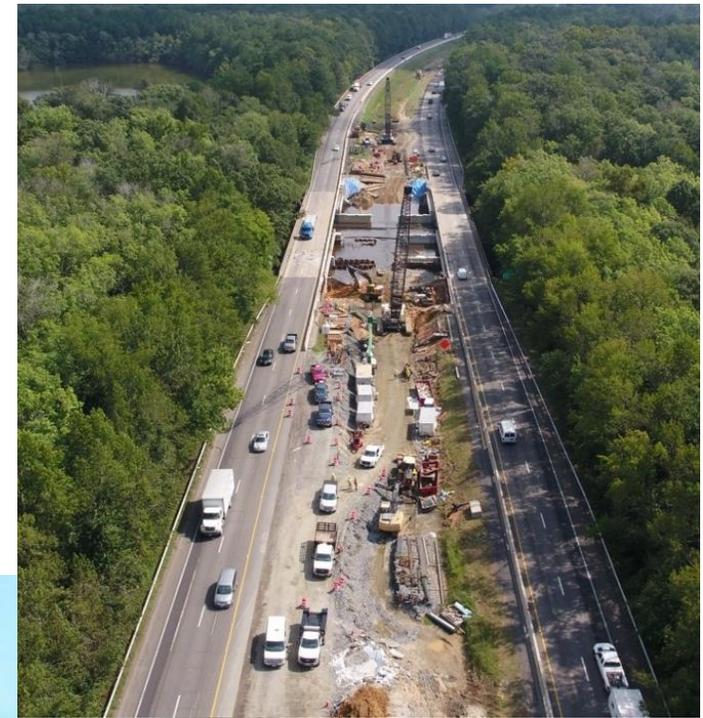
**Construction timeline:** Fall 2017  
– scheduled completion fall 2019

**Project cost:** \$56.03 million



# I-64 Segment VIII | Under Construction

- **Additional travel lane and shoulder in each direction**
- **Widening of two bridges**
- **Existing pavement overlay**
- **Extension of accel/decel lanes at weigh station**
- **Construction of sound wall**

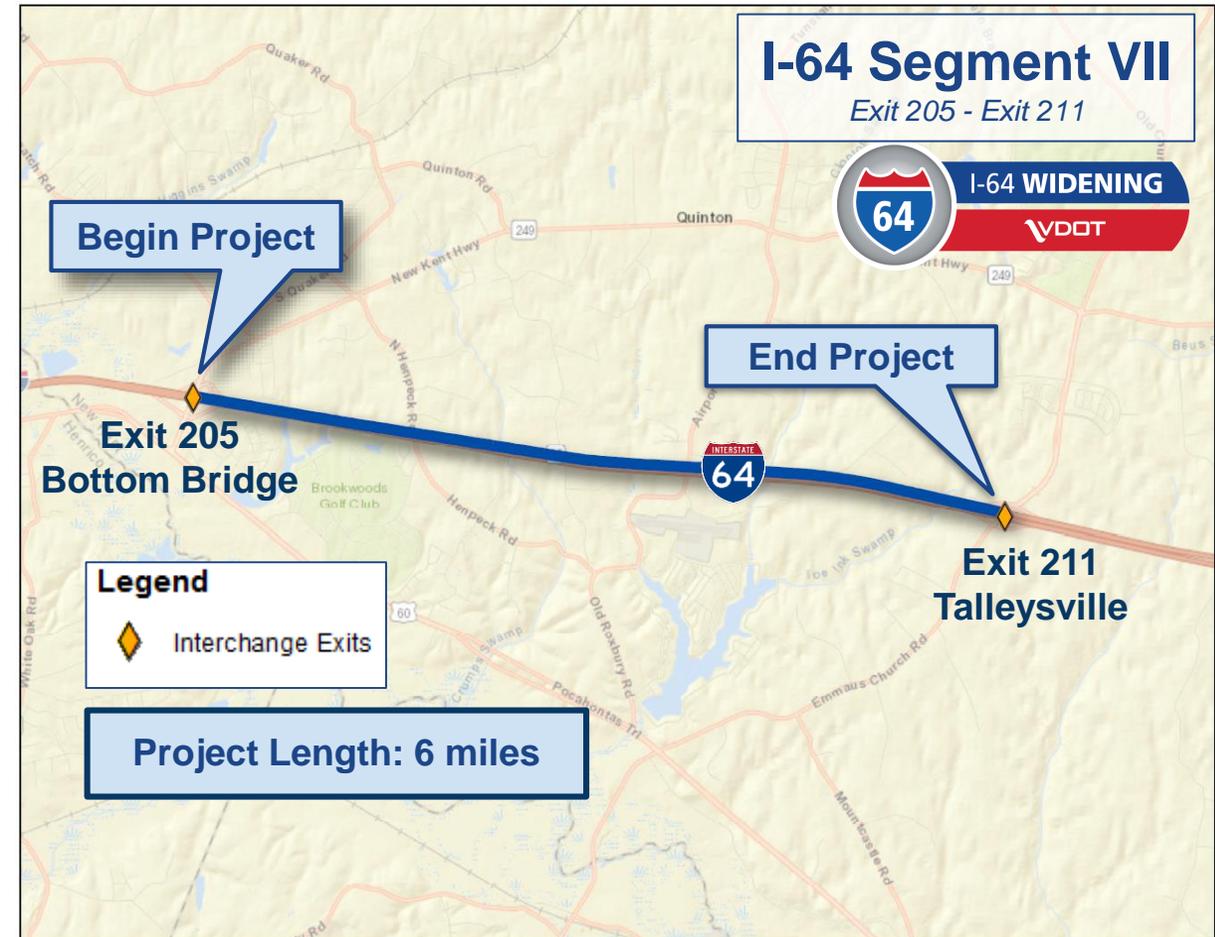


# I-64 Segment VII | Smart Scale Application Submitted

**Location:** New Kent County  
6 miles | Exit 205 - 211

**Status:**  
Smart Scale Application

**Estimated project cost:** \$75.28  
million (2018 dollars)



# I-64 Segment IV - VI | Planned Project Segments

Segment IV	Segment V	Segment VI
<p><b>Hampton Roads District</b> West of exit 227 to east of exit 231 for 9 miles</p>	<p><b>Richmond District</b> From west of Exit 220 for 6.4 miles</p>	<p><b>Richmond District</b> From west of Exit 211 to MM 218 for 7 miles</p>
<p>Widen one lane to median – both directions</p>	<p>Widen one lane to median – both directions</p>	<p>Widen one lane to median – both directions</p>
<ul style="list-style-type: none"> <li>Two bridges requiring widening</li> <li>Four bridges requiring pier protection</li> <li>Two bridges requiring replacement</li> </ul>	<ul style="list-style-type: none"> <li>Six bridges requiring widening</li> <li>Eight bridges requiring pier protection</li> </ul>	<ul style="list-style-type: none"> <li>Two bridges require widening</li> <li>Four bridges require pier protection</li> </ul>
<p>Not programmed</p>	<p>Not programmed</p>	<p>Not programmed</p>



# I-64 Improvements Project Cost

Estimates in FY 2018 Dollars\*

District	Segment	Total Cost (millions)	Length (miles)	Cost /Mile	NOTES
Hampton Roads	Segment I	\$114	6.1	\$18.68	Project Status – Awaiting Financial Closure - UPC 104905 and 111926 New Lane Construction and Existing Lanes Overlay
Hampton Roads	Segment II	\$175.83	7.08	\$24.83	Project Status – Construction in Progress – UPC 106665 Includes Complete Reconstruction of Existing Lanes..
Hampton Roads	Segment III	\$244.05	8.2	\$29.76	Project Status - Construction in Progress - UPCs 106689 and 109790 Includes Complete Reconstruction of Existing Lanes & Queens Creek Bridges Replacement.
Hampton Roads	Segment IV	\$162.18	9	\$18.02	Potential application - Hampton Roads District Estimate based on being most similar to segment I
Richmond	Segment V	\$92.03	6.4	\$14.38	Potential application – Richmond District
Richmond	Segment VI	\$97.60	7	\$13.95	Potential application – Richmond District
Richmond	Segment VII	\$75.28	6	\$12.55	Application ID 3565 Submitted by Richmond Regional TPO. Application screened in based on eligibility and readiness. Determined to meet VTrans need on the Regional Network. The project total cost is \$100,107,000 (2029 dollars), which is the SMART SCALE cost.
Richmond	Segment VIII	\$56.03	3.8	\$14.75	Awarded 2017 – Project underway, UPCs 107458, 107459, 107461
<b>Total Cost</b>		<b>\$1,017.63</b>			

## Estimate Validation

Average of “Urban” projects costs: \$22.89

Average of “Suburban” project costs: \$13.78

# I-64 Improvements Project | Up Next

- **Committed to delivery on-time and on-budget**
- **Segment VII Smart Scale assessment for review and scoring at January CTB**
- **Partner with localities on remaining segments for Smart Scale applications**



# High Rise Bridge | Under Construction

**Location:** Chesapeake --  
1/2 mile east of 264 to  
.9 mile east of I-464 interchange

**Design-Build Contractor:** Granite-  
Parsons-Corman

**Construction timeline:** Summer 2018 –  
scheduled completion July 2021

**Project cost:** \$409.6 million



# Hampton Roads Bridge-Tunnel | In Procurement

## Location:

Hampton to Norfolk

## Design-Build Contractor: TBD

Proposals due Jan. 15

**Schedule:** Award contract in April 2019 –  
scheduled completion in Fall 2025

**Project estimate:** \$3.66 billion

