



Hampton Roads Bridge-Tunnel

VDOT



# Hampton Roads Bridge-Tunnel Expansion Project

*Norfolk City Council Update*

February 4, 2020



# Today's Purpose

*Provide a Leadership Level Update on Project Progress.*

# HRBT Expansion: DBE/SWaM Opportunities



Disadvantaged Business Enterprise (DBE)

and

Small, Women and Minority-owned  
businesses (SWaM)

Goals:

12 percent-DBE

20 percent-SWaM

## Current Status:

- 77 DBE/SWaM Businesses on the Team
- Over 30 Firms from Hampton Roads

# HRBT Expansion: The Current Design-Build Project



- ❖ Comprehensive Agreement between Commonwealth of Virginia and Hampton Roads Connector Partners JV signed in April 2019
- ❖ Joint Venture Partners: Dragados USA, Vinci Construction, Flatiron Constructors, Dodin Campenon Bernard
- ❖ Designers: HDR and Mott MacDonald
- ❖ Project Cost: \$3.8 Billion



# HRBT Expansion: Scope of the Design-Build Project



## Scope

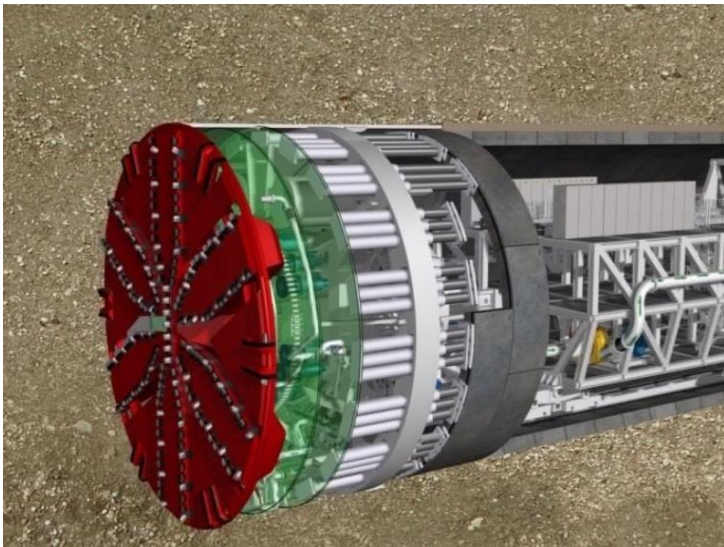
### Demolish & Replace:

- Mallory
- North Trestles
- South Trestles

### Widening & Rehab:

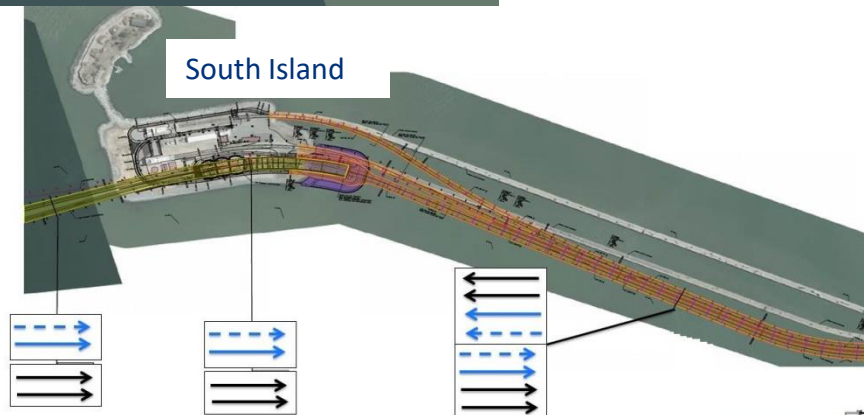
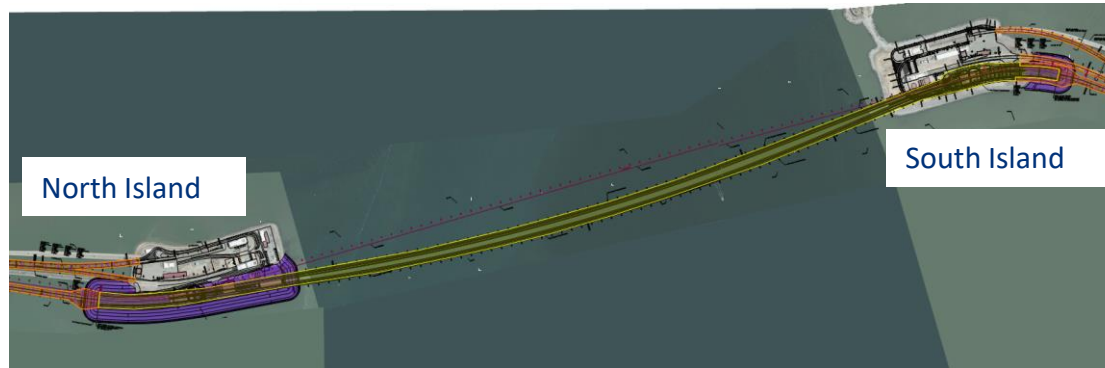
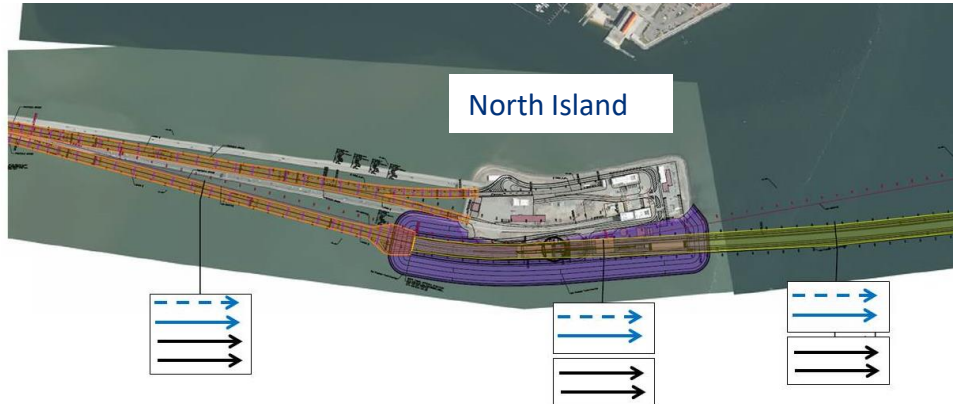
- Roadway
- Other bridges

# HRBT Expansion: About the Tunnels



- ❖ This is the fourth bored roadway tunnel project in the U.S.
- ❖ Twin two-lane tunnels to be built west of existing eastbound tunnel (Navy side) to carry all eastbound traffic
- ❖ Existing eastbound tunnel and current westbound tunnel will accommodate all westbound traffic upon project completion
- ❖ Diameter of each new tunnel: approx. 45 feet; second largest tunnel opening for a Tunnel Boring Machine in North America

# The Bridge Tunnel

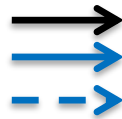


Legend:

General Purpose Lane

HOT Lane

Part Time Shoulder HOT Lane





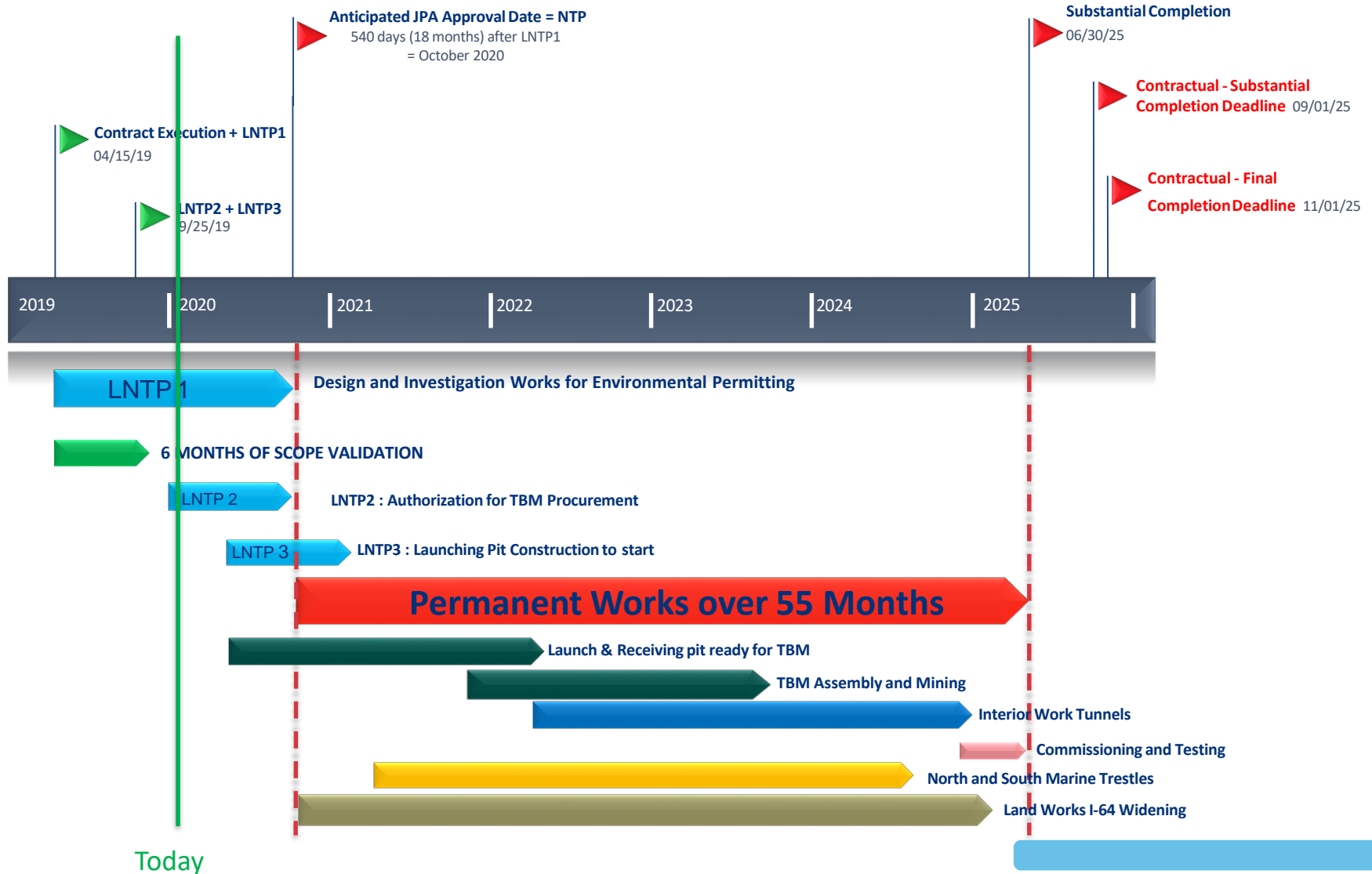
# HRBT Expansion: Mitigating Traffic Impacts During Construction



- ❖ Two lanes of traffic to be maintained in both eastbound and westbound directions throughout the entire construction period
- ❖ Pre-positioned wrecker service along the project 24 hours/day
- ❖ Active public outreach campaigns during construction



# HRBT Expansion: The Project Timeline



# HRBT Expansion: Project Funding



- ❖ Hampton Roads Transportation Fund to fund 95 percent of the project
- ❖ Monies raised through regional gas and sales taxes
- ❖ Other project funding includes \$200 million from the Commonwealth's SMART SCALE program
- ❖ \$108 million from VDOT to fund replacement of the Norfolk Side Trestle Bridges in Norfolk

# Milestone Progress



ACTIVITY	DATE
Contract Award	April 3, 2019
LNTP1 (Permit Applications)	April 12, 2019
LNTP2 (Tunnel Boring Machine)	September 25, 2019
LNTP3 (South Island Early Works)	September 25, 2019
HRCF Joint Permit Application (JPA) Submitted	August 30, 2019
HRCF Submits Final JPA Updates to Agencies	December 23, 2019
Advancing Conceptual Designs	
- South Island Launch Pit (Concept)	February 2020
- North Island Receiving Pit (Concept)	April 2020
- N&S Trestles (In Design)	November 2020
- Willoughby Bay Bridge (In Design)	November 2020
- Roadway and Overpass Packages (In Design)	December 2020
Notice to Proceed (Permits Issued)	October 2020

# Willoughby Spit Staging Area



- ❖ Construction Staging Areas for the Project are Difficult to Locate
- ❖ Willoughby Spit Identified as Prime Staging Area
- ❖ Design-Build Contractor Was Not Able to Acquire Parcel at Reasonable Price
- ❖ VDOT Acquired the Property
- ❖ VDOT Filed a Certificate of Take on June 26, 2019
- ❖ The Project Agreement for Funding Administration Requires that for the Willoughby Property “..... shall convey such property to the Commission at no further cost and expense.....”



# Project Level Coordination (VDOT/Norfolk)



## ❖ **Monthly Meeting with City Departments**

- HRCP/VDOT Updates

## ❖ **Weekly Meeting on Maintenance of Traffic**

- HRCP Coordination on Project Activities Potentially Impacting Traffic

## ❖ **Weekly Meeting on Public Relations/Outreach**

- VDOT Led Teleconference to Coordinate Messaging and Updates

## ❖ **Regular Coordination with First Responders**

- HRCP Led Meetings Discussing First Responder Concerns with New Tunnels and Construction Items

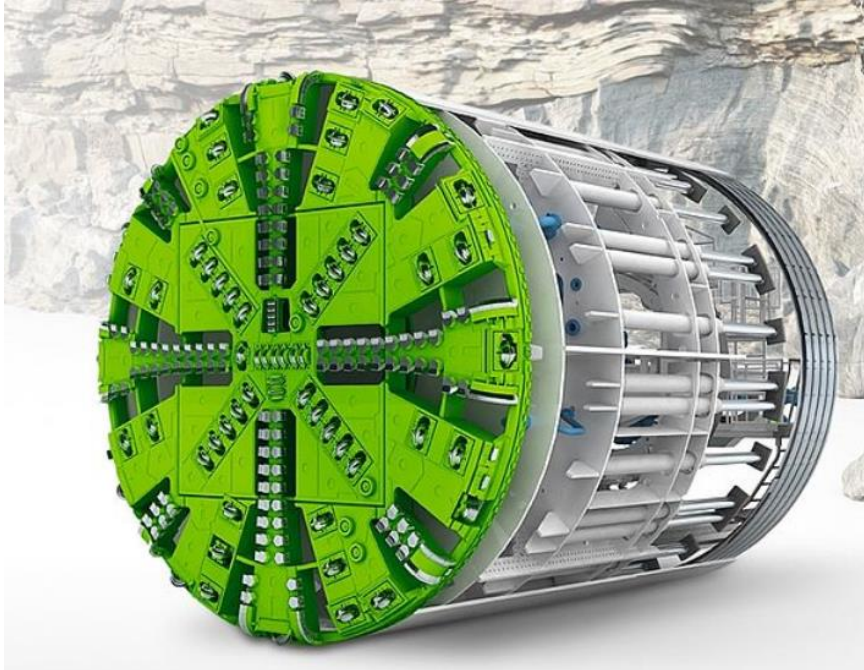
# HRBT Expansion: Public Outreach



## PUBLIC OUTREACH

- ❖ Tunnel Boring Machine naming contest to include Hampton Roads school-age children
- ❖ VDOT has participated in more than 100 public outreach events about the HRBT Expansion Project since May 2017

# Tunnel Boring Machine (TBM) Naming



## Proposed Process:

- ❖ Work with City of Norfolk and City of Hampton Public Schools to engage **middle school student** participation in a TBM naming contest
  - ❖ Winning entry will receive a U.S. Savings Bond and student/school to receive media attention and be featured on project websites and internal/external newsletters
  - ❖ Student to be invited to future project event with the Secretary of Transportation and/or Governor

# Citizen/Civic League Communication



VDOT will use all available social media platforms:

- ❖ Facebook
- ❖ Twitter
- ❖ Instagram
- ❖ Nextdoor
- ❖ Podcasts
- ❖ Project Website
- ❖ Constant Contact Newsletters
- ❖ VDOT Dynamic Message Boards
- ❖ Paid Media





## PROJECT WEBSITE

[www.hrbtexpansion.org](http://www.hrbtexpansion.org)

Paula Miller-Communications Manager

To schedule public outreach:

[Paula.Miller@vdot.virginia.gov](mailto:Paula.Miller@vdot.virginia.gov)

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