



May 2025
Monthly Project Report
I-64 HAMPTON ROADS
BRIDGE-TUNNEL
EXPANSION

Report No. 74
Project No. 0064-M06-032



Table of Contents

1. Executive Summary	1
1.1 Overview	1
1.2 Priorities	1
1.3 Key Updates	2
2. Project Schedule	6
2.1 Schedule Status	6
2.2 Longest Path	6
2.3 Impact Analysis	6
3. Project Budget	9
3.1 Overall Budget	9
3.2 Design-Build Contract Cost Status	11
3.3 Budget by Funding Source	12
3.4 Contingency	13
4. Environmental	17
5. Construction	18
5.1 Construction Area 1: Landside Roadways	19
5.2 Construction Area 2: Marine Trestle Work	21
5.3 Construction Area 3: Tunnels and Islands	22
5.4 Construction Area 4: Landside Bridges	23
6. Operations	25
7. Quality	26
8. Safety	27
9. Civil Rights & DBE/SWaM Business Opportunities	28
10. Public Outreach & Media	29

Issue Date: June 6, 2025

Prepared by:

Virginia Department of Transportation

<https://hrbtexpansion.vdot.virginia.gov/>

1. Executive Summary

1.1 Overview

This report provides an overview of accomplishments and activities for the Hampton Roads Bridge-Tunnel Expansion Project from April 20, 2025 – May 24, 2025. The Design-Builder for the project is Hampton Roads Connector Partners (HRCP), a consortium that includes lead contractors Dragados, Vinci, Flatiron, and Dodin Campenon Bernard, with lead designers HDR and Mott MacDonald.

The current reporting period is aligned with HRCP's fiscal-month structure, on which the project's design-build schedule updates and invoiced construction progress are based. Reporting periods typically close on the Saturday on or preceding the 24th of each month.

During this reporting period, project accomplishments included the following:

- South Island Progress:
 - Installation of portal internal walls 67% complete.
 - Installation of portal plenum slabs 52% complete.
- Tunnel Progress:
 - Low point pump station (LPPS) structures complete at HT tunnel.
 - 58% complete for General Purpose (GP) tunnel excavation (4,586 ft out of 7,961 total ft excavated).
 - 162 concrete tunnel rings installed this period (681 out of 1,194 total rings installed).
- North Island Progress:
 - Rectilinear approach base slab 98% complete
 - Rectilinear exterior walls 9% complete.
- Landside Progress:
 - Precast panel installation at retaining wall 309 near 4th View St. is completed.
 - Pile driving operations for westbound widening at Willoughby Bay Bridge are complete.
 - Cap placement operations at bent 14 for westbound widening at Bay Ave. Bridge are complete.
- Marine Progress:
 - South Trestle eastbound piles 75% complete.
 - North Trestle westbound piles 63% complete.

1.2 Priorities

VDOT's priorities for the Project are to achieve the following objectives:

- To provide mobility enhancements and travel-time reliability along the Project corridor.
- To minimize Project impacts on adjacent communities.
- To improve transportation operations and safety throughout the Project corridor.
- To develop public infrastructure in a financially responsible manner.

1.3 Key Updates

Project Schedule

The last approved schedule for the project is Update 69 (data date: April 20, 2025), and the schedule information in this report reflects this update. Schedule 69 was returned Approved as Noted on May 13, 2025.

Contractual Substantial and Final Completion Dates remain unchanged.

- Substantial Completion on February 26, 2027
- Final Completion on August 27, 2027

The Projected Schedule Completion dates reflected HRCP's Schedule Update 69 are:

- Substantial Completion on February 26, 2027
- Final Completion on August 27, 2027

Project Budget

The project budget summary below now includes all billed to date costs through May 24, 2025, and does not include forecasted cost outside of the reporting period.

- Project budget overview:

Current total project budget:	\$	3,935,451,641
Total costs to date:	\$	2,790,642,455
Remaining project budget:	\$	1,144,809,186

- Design-build contract overview:

Design-build contract original amount:	\$	3,299,997,227.19
Net change orders:	\$	17,461,713.03
Exercised Options:	\$	73,454,414.00
Material Price Adjustments to Date:	\$	130,346,188.80
Assessed Liquidated Damages (LD):	\$	(1,076,000.00)
Design-build contract sum to date:	\$	3,520,183,543.02
Expenditures to date:	\$	2,652,139,746.66
Remaining design-build contract amount:	\$	868,043,796.36

- Design-build progress to date:

Project Management:	94.3%
Design:	96.9%
Physical Construction Progress:	59.6%
Overall:	75.3%

Environmental

Environmental updates for this reporting period include:

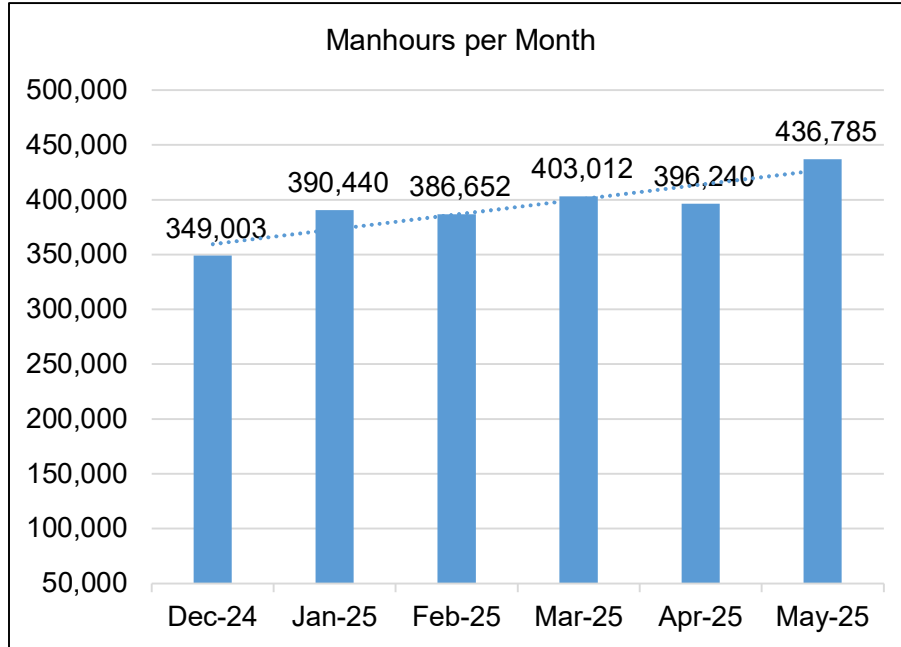
- HRCP initiated inspections of the Oastes Creek Bridge on April 28, 2025, utilizing an amphibious vehicle that traversed a wetland area not approved as an access point. HRCP halted work on the same day and submitted a revised work plan to the agencies on April 29, 2025, for review and approval.
- HRCP submitted a 6-month progress report to the U.S. Army Corps of Engineers regarding pile removal/extraction activities that occurred during the last six months.

Construction

Summary progress updates for this reporting period include:

- Landside Roadways
 - Completed guardrail installation at retaining wall 305 before West Evans St.
 - Completed installation of barrier wall at retaining wall 501 near Patrol Rd.
- Marine Works
 - North Trestle westbound deck placement at 50%.
- Tunnels and Islands
 - Completed low point pump station structures in HT tunnel.
 - 58% complete for General Purpose (GP) tunnel excavation (4,586 ft out of 7,961 total ft excavated).
 - 78% complete for HT tunnel installation of egress footer.
 - 15% complete for South Island rectilinear wall waterproofing.
- Landside Bridges
 - Completed hydro demolition Type B work at spans 30 – 50 for westbound widening at Willoughby Bay Bridge.
 - Completed girder placement for eastbound widening at Bayville and 13th View St. Bridge.

The number of construction manhours worked each month is provided by HRCP and is current as of May 31, 2025:



Project Manhours to Date:
15,502,448

Operations

The following operations activities took place during this reporting period:

- Short-term lane closures for striping maintenance throughout the project corridor.
- Relocation and activation of ITS devices at Overhead Sign Structure #18.
- Temporary detour of West Bay Ave. on ramp eastbound for lane shift activities.
- Long-term detour of Mason Creek Rd. to facilitate bridge widening.

Quality

Quality updates for this reporting period include:

- VDOT continues to monitor HRCP's QA and QC material testing. VDOT also performed Independent Testing and Verification Testing on materials in accordance with VDOT requirements and coordinated with VDOT Materials Division for shop inspections as required.
- VDOT continues to engage HRCP in discussions on HRCP's implementation of their Quality Management System Plan (QMSP) and the effectiveness of the plan.

Safety

The following safety performance indicator information is provided by HRCP and is current as of May 31, 2025:

- Total Recordable Incidence Rate: 1.56 (National Average: 2.5)
- Lost Time Incidence Rate: 0.23 (National Average 1.6)

Civil Rights & DBE/SWaM Business Opportunities

HRCP has awarded **381** subcontracts, subconsultant agreements, and purchase orders to certified DBE/SWaM firms on the project. Contract awards continue this period to represent a total of **\$603.2 million** to certified DBE/SWaM firms.

Public Outreach & Media

Public outreach and project media updates provided by VDOT and HRCP for this reporting period include:

- Project Director Ryan Banas provided project updates and a site visit for Admiral Jorge Cuadros and Naval Facilities Engineering Systems Command staff.
- (WAVY) Only On 10: There's something about mining with Mary as part of HRBT expansion work <https://www.wavy.com/traffic/hrbt-expansion-project/theres-something-about-mining-with-mary-as-part-of-hrbt-expansion-work/>.

2. Project Schedule

2.1 Schedule Status

The following table depicts key milestone dates for the project and has been updated as of the current approved schedule. The last approved schedule for the project is Update 69 (data date: April 20, 2025), and the schedule information in this report reflects this update. Contractual Substantial and Final Completion dates remain unchanged from the Contract Amendment; February 26, 2027, and August 27, 2027, respectively. The Project Schedule Update 69 Substantial and Final Completion reflect February 26, 2027, and August 27, 2027, respectively.

	Contract Requirement	April 2025 Schedule	Actual
NTP		Sep 11, 2020	Sep 11, 2020
Substantial Completion	Feb 26, 2027	Feb 26, 2027	
Final Completion	Aug 27, 2027	Aug 27, 2027	

2.2 Longest Path

The longest path/critical path in Project Schedule Update 68 is driven by the following activities:

- General Purpose Tunneling - Mining
- TBM disassembly in South Island tri-cell
- South Island Tri-Cell Permanent Structures
- South Island Ventilation Building and Commissioning
- Commissioning – High Occupancy Toll and General Purpose Operational Testing
- Commissioning – Tunnel, Buildings, Roadways, and Trestles Integration Testing
- ITT Reversal
- Substantial Completion

2.3 Impact Analysis

Several elements of work are near-critical and could affect schedule performance if they are not addressed diligently. VDOT and HRCP are closely monitoring these activities. The following work elements have been identified as near critical, meaning there is less than one month of float in the current schedule.

South Portal – Work Below Grade

- South Portal Cell 1 Temporary Structures – Construct Shield and Gantry Cradle
- South Portal Rectilinear Approaches SOE – U-wall on Shore – SW to Sheet Pile Connection
- South Island Expansion Cell 1 Permanent Structures – Mud Slabs, Base Slabs, Exterior Walls & Waterproofing, & Roadway Concrete
- South Island Expansion Cell 2 Permanent Structures – Exterior Walls & Waterproofing, & Roadway Concrete

South Island – Work Above Grade

- South Island HT & GP Inspection Booths Construction
- South Island Buildings Final MEP Work, Commissioning and Functional Testing

Tunneling

- TBM Disassembly Cell 1 – Slab and Quay
- High Occupancy Tunnel – Interior Structures – South to North Sta. 677+85 to 598+44
- General Purpose Tunnel – Interior Structures – North to South Sta. 598+44 to 677+85
- High Occupancy Tunnel – Final MEP Construction & Commissioning
- General Purpose Tunnel – Final MEP Construction & Commissioning

North Portal – Work Below Grade

- North Portal Cell 2 Permanent Structures – External Walls, Interior Walls, Plenum Slabs, Struts & Roof Slabs
- North Portal Cell 1 Permanent Structures – Headwall, External Walls, Portal Walls, Internal Walls, Roadway Slabs, Plenum Slabs, Roof Slabs

North Island – Work Above Grade

- North Island Ventilation Building – Phase 1 Ventilation Construction
- North Island Ventilation Building – Phase 2 Ventilation Construction
- North Island Garage Building – Foundation
- North Island TOC Building – Foundation Excavation
- North Island Crash House Building – Construction
- North Island Maintenance Facility Extension Building – Construction
- North Island Flood Gate House Building – Construction
- North Island Generator, Fuel & Water Tanks Building – Settlement Post TBM Boring
- North Island Existing Administration Building – Interior Alterations
- North Island Buildings Final MEP Work, Commissioning and Functional Testing

Roadway and Land Bridges

- Segment 1 Hampton – Remove Existing I-MVD
- Segment 1 Phase 1A, 1B, 2, 2A, 2B – MOT, Roadway Widening, Storm Drainage, Retaining Walls
- Mallory Street Local Roads – MOT, Roadway Widening
- Segment 3b Phase 2A, 3A, & 4 – Roadway Widening, Storm Drainage, Retaining Walls
- Segment 3d Phase 2, 2A, 3, 3A, & 4 – Roadway Widening, Storm Drainage, Retaining Walls

- Segment 4 Phase 2A, 3, 4, & 4A – Roadway Widening, MOT, Storm Drainage, Retaining Walls
- ITS Segment 1 Phase 1A – Installation
- ITS Segment 3b Phases 3 & 4 – Installation
- ITS Segment 3d Phases 3, & 4 – Installation
- ITS Segment 4 Phase 4 – Installation
- Blue Crab Willard Switchgear Replacement – Switchgear Civil Works, Building Support, Switchgear, Pre-commissioning & Energization
- Mallory Bridge – Substructure and Superstructure Construction
- 13th View Bridge EB – Superstructure Deck Grinding & Grooving, Parapet Form/pour, & Deck Rehab
- Willoughby Bridge EB Superstructure Rehabilitation
- Bay Ave. Bridge EB & WB – Superstructure Deck Rehab
- Evans Bridge WB – Substructure & Superstructure Construction
- Evans Bridge WB – Superstructure Rehab
- Bay View Bridge WB – Substructure Construction
- Bay View Bridge WB – Superstructure Rehab
- Oastes Creek Bridge EB – Superstructure Rehab
- Patrol Road Bridge EB – Superstructure Construction & Rehab
- Patrol Road Bridge WB – Substructure Construction & Superstructure Rehab

Trestles

- North Trestle – Existing Eastbound – Demolition
- North Trestle – Existing Westbound – Demolition
- North Trestle – N3 Temporary Work Trestle Installation
- North Trestle – N3 Temporary Work Trestle Demolition
- North Trestle – Westbound Zone 8, & 9 Construction
- North Trestle – ITS Phase 3B & 4
- South Trestle – Existing Eastbound – Demolition
- South Trestle – Existing Westbound – Demolition
- South Trestle – Temporary Work Trestle S2 Removal
- South Trestle – Temporary Work Trestles S3.3, S4, & S5 Installation
- South Trestle – Temporary Work Trestle S5 Demolition
- South Trestle – Zone 2 Finishes
- South Trestle – Zone 4 WB Retaining Wall Replacement
- South Trestle – Zones 5, 6, 7, 8 & 9 Construction
- South Trestle – ITS Phases 7, 9, 10, 11, 12 & 13 – Installation
- South Island Expansion – Cell 1 Cofferdam Interior Work
- South Island Expansion – Marine Work – Rock Placement & Substructure

Commissioning and Integration

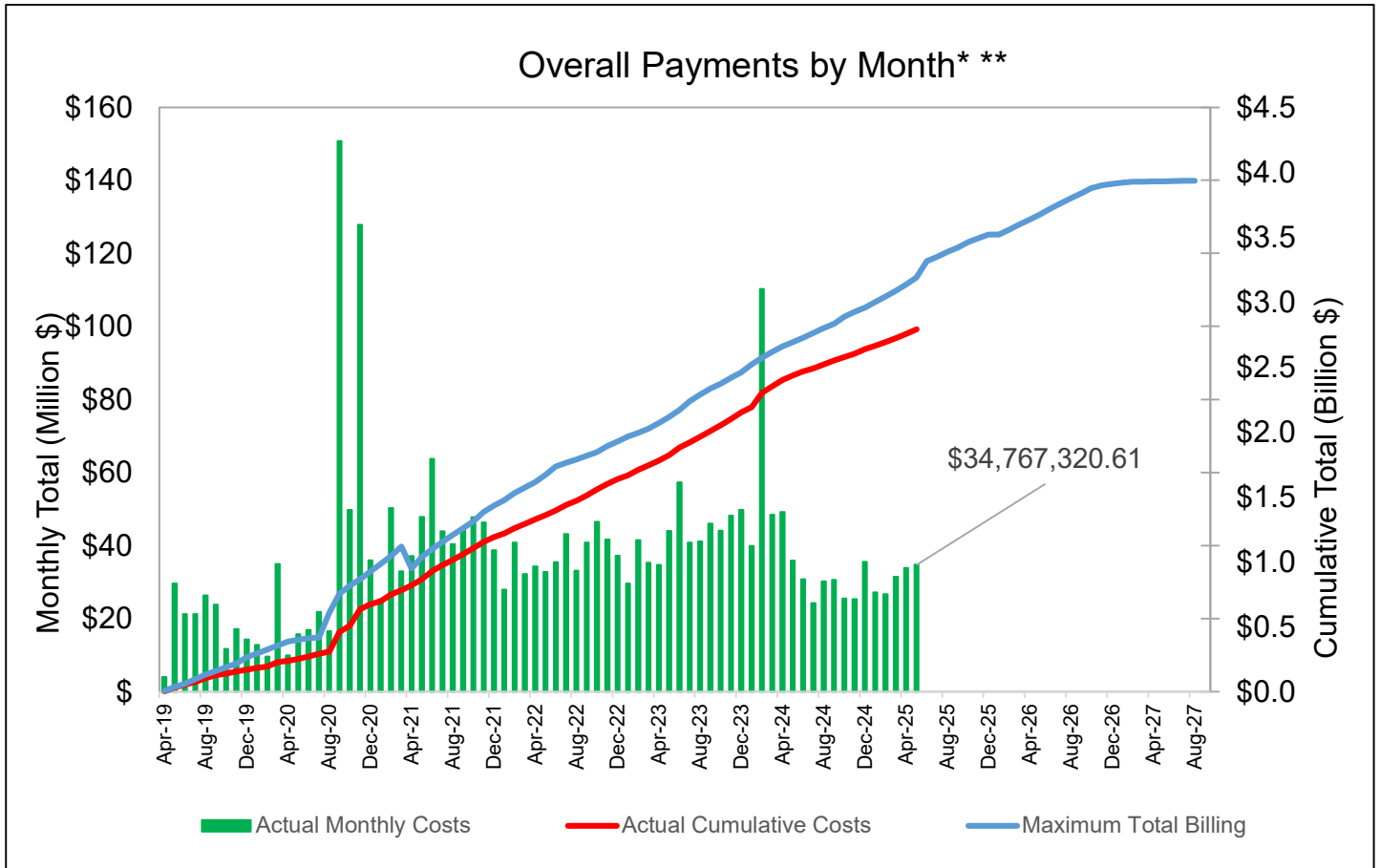
- Operational Testing – General Purpose Tunnel – Egress Corridor Pressurization System
- Commissioning Integration – Existing Westbound Tunnel, Existing Eastbound Tunnel, General Purpose Tunnel, High Occupancy Tunnel, VDOT Building North Shore
- ITT Reversal – Preparation Work for Eastbound Tunnel Traffic Direction Change, Roadway Median Barrier Walls after EB ITT Reversal

3. Project Budget

3.1 Overall Budget

The overall budget outlined in this report is based on the terms and conditions of Article 3 (Project Funding) in the Project Agreement for Funding and Administration (PAFA). The cost curve is based on Exhibit 6 of the Comprehensive Agreement (monthly maximum cumulative compensation amount).

	Amount Spent this Period:	Total Spent to Date:	Original Total Budget:	Total Remaining Budget:	Percent Spent To- date:
<u>Comprehensive Agreement</u>					
<i>Construction</i>	\$29,352,812.15	\$2,462,241,830.06	\$3,299,997,227.00	\$837,755,396.94	74.61%
<u>Owner Costs</u>					
<i>Administration</i>	\$50,559.36	\$124,943,297.20	\$122,000,000.00	(\$2,943,297.20)	102.41%
<i>Right of Way</i>	\$17.27	\$9,559,410.84	\$15,000,000.00	\$5,440,589.16	63.73%
<i>No-Excuses Incentive</i>	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
<i>Contingency</i>	\$4,750,094.93	\$180,049,626.72	\$335,000,000.00	\$154,950,373.28	53.75%
<i>Bridge Repair Work Option</i>	\$613,836.90	\$13,848,289.88	\$73,454,413.96	\$59,606,124.08	18.85%
<u>Total</u>	\$34,767,320.61	\$2,790,642,454.70	\$3,935,451,640.96	\$1,144,809,186.26	70.91%

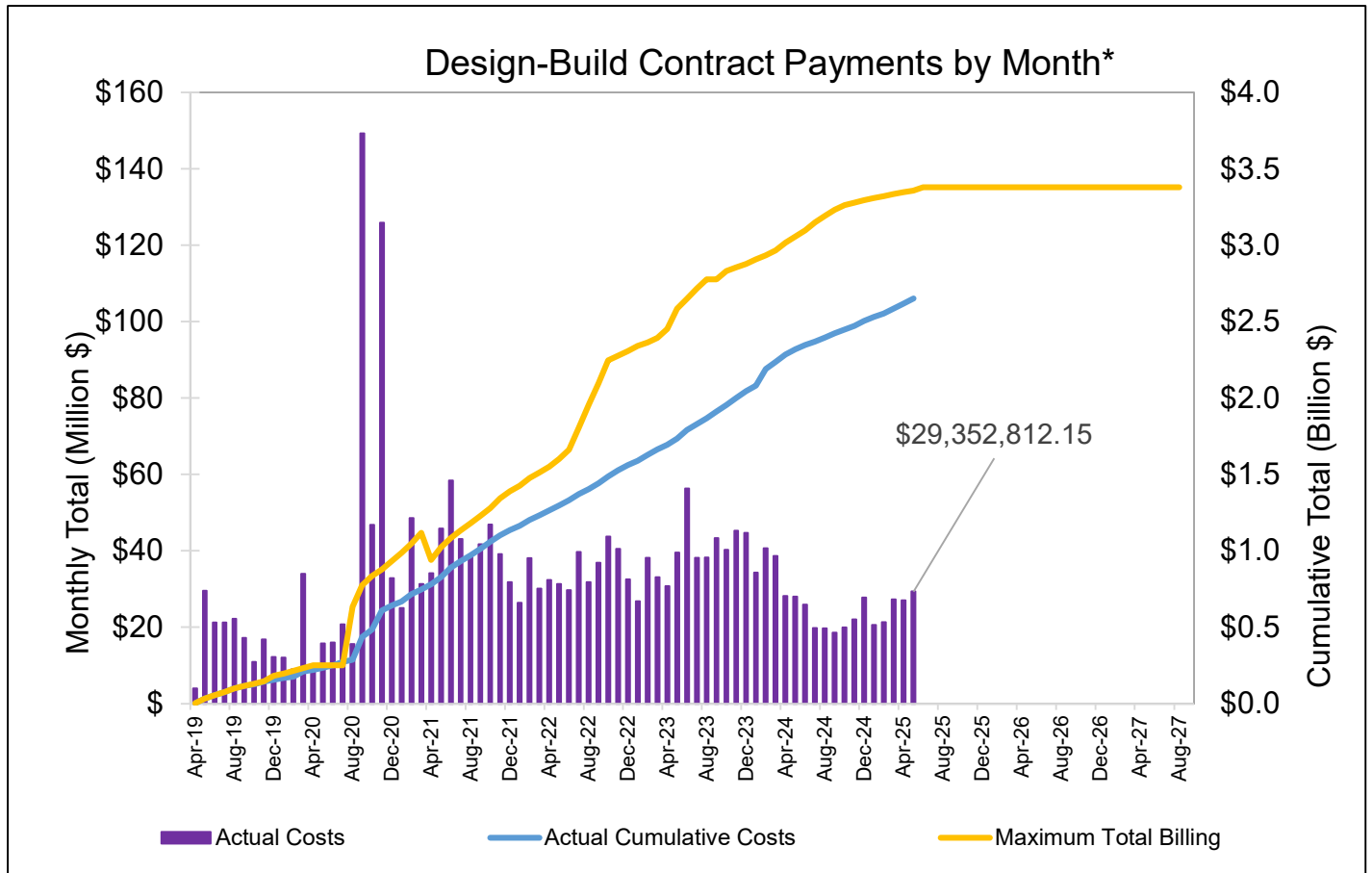


*The Maximum Total Billing showed an adjustment in May 2021 due to the executed Change Order #40 – Update Maximum Cumulative Cost Curve.

**The increase to monthly costs during February 2024 is primarily due to initial Material Price Adjustments associated with CA Amendment #1.

3.2 Design-Build Contract Cost Status

The budget and planned cost have been established based on the maximum cumulative compensation amount. For this period, the invoiced expenditures cover the activities noted in this report.



*The Maximum Total Billing showed an adjustment in May 2021 due to the executed Change Order #40 – Update Maximum Cumulative Cost Curve.

3.3 Budget by Funding Source

The budget for expenditures by funding source is based on the terms and conditions of Article 3 (Project Funding) and Exhibit 5 of the PAFA. This section outlines planned expenditures of both HRTAC and VDOT funds. The cost curve has been developed based on the monthly maximum cumulative compensation amount in the Comprehensive Agreement and will be updated as HRCF refines its design, construction means-and-methods, activity sequences, and project resourcing.

3.3.1 HRTAC and Smart Scale

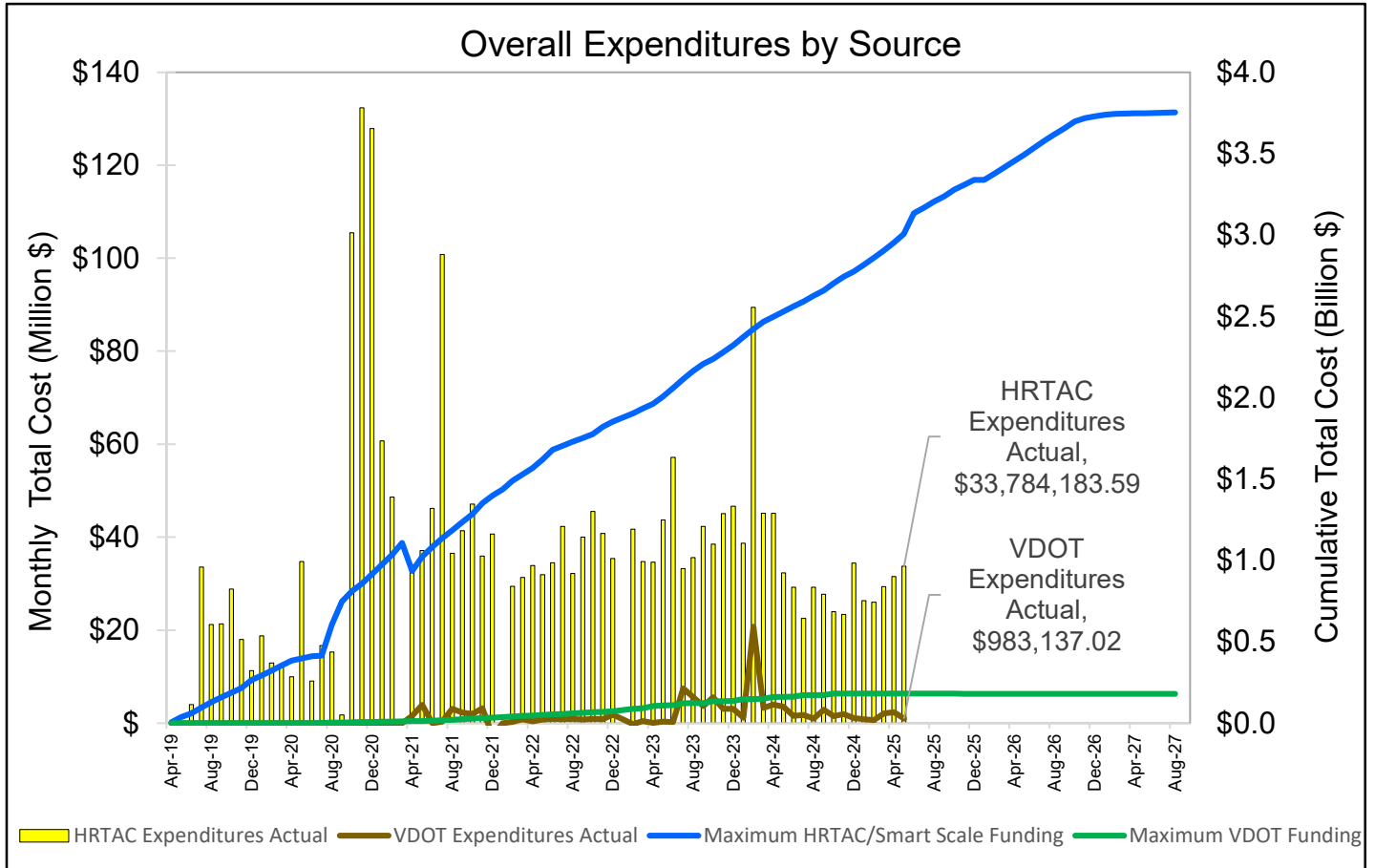
	Amount Spent this Period:	Total Spent to Date:	Original Total Budget:	Total Remaining Budget:	Percent Spent To-date:
<u>Comprehensive Agreement</u>					
<i>Construction</i>	\$29,258,996.97	\$2,406,840,675.17	\$3,204,569,251.00	\$797,728,575.83	75.11%
<u>Owner Costs</u>					
<i>Administration</i>	\$0.00	\$118,472,054.00	\$118,472,054.00	\$0.00	100.00%
<i>Right of Way</i>	\$17.27	\$9,559,410.84	\$15,000,000.00	\$5,440,589.16	63.73%
<i>No-Excuses Incentive</i>	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
<i>Contingency</i>	\$4,525,169.35	\$151,312,895.06	\$325,428,276.00	\$174,115,380.94	46.50%
<u>Total</u>	\$33,784,183.59	\$2,686,185,035.07	\$3,753,469,581.00	\$1,067,284,545.93	71.57%

3.3.2 VDOT

	Amount Spent this Period:	Total Spent to Date:	Original Total Budget:	Total Remaining Budget:	Percent Spent To-date:
<u>Comprehensive Agreement</u>					
<i>Construction</i>	\$93,815.18	\$55,401,154.89	\$95,427,976.00	\$40,026,821.11	58.06%
<u>Owner Costs</u>					
<i>Administration</i>	\$50,559.36	\$6,471,243.20	\$3,527,946.00	(\$2,943,297.20)	183.43%
<i>Right of Way</i>	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
<i>No-Excuses Incentive</i>	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
<i>Contingency</i>	\$224,925.58	\$28,736,731.66	\$9,571,724.00	(\$19,165,007.66)	294.80%
<i>Bridge Repair Work Option</i>	\$613,836.90	\$13,848,289.88	\$73,454,413.96	\$59,606,124.08	18.85%
<u>Total</u>	\$983,137.02	\$104,457,419.63	\$181,982,059.96	\$77,524,640.33	57.40%

* The VDOT Administration costs are due to higher Owners Costs for South Trestle work oversight, bird management, bridge repair oversight, and Visitor Center Costs.

** The VDOT Contingency costs are primarily due to the VDOT portion of the CA Amendment material price adjustments.



3.4 Contingency

3.4.1 Contract Changes

	Description	Date	Value	Time
CO-1	VDOT's Acquisition of Willoughby Staging Area	2/11/2020	\$ (3,000,000.00)	0 days
CO-2	Minor Revisions to Technical Requirements	3/18/2020	\$ -	0 days
CO-3	Tunnel Approach Structure Support of Excavation Requirements Refinement	4/28/2020	\$ -	0 days
CO-4	Dispute Resolution Board (DRB) Allowance	5/12/2020	\$ 200,000.00	0 days
CO-5	North Island Armor Stone Value Engineering Change Proposal (VECP)	4/28/2020	\$ (2,011,117.50)	0 days
CO-6	Exit Ramp at Bayville Avenue	5/29/2020	\$ 46,906.29	0 days
CO-7	Minor revisions to the Technical Requirements	7/16/2020	\$ -	0 days
CO-8	Zero Spread Drainage	9/16/2020	\$ 3,239,212.24	0 days
CO-9	Roadway and Bridge Scope Validation Issues	9/4/2020	\$ 15,516,248.00	0 days
CO-10	Slurry Walls as Permanent Structures	8/28/2020	\$ -	0 days
CO-12	Road and Bridge Lighting Requirements	8/27/2020	\$ 2,495,000.00	0 days
CO-13	Bridge Repair Work-Exercise Option	10/9/2020	\$ 73,454,413.96	0 days
CO-14	Trestle Barrier Form Liner Elimination	7/29/2020	\$ (99,571.80)	0 days

CO-15	South Island Ground Improvement Value Engineering Change Proposal (VECP)	9/17/2020	\$ (5,338,000.00)	0 days
CO-16	Navy Security Fencing Design	7/15/2021	\$ 150,000.00	0 days
CO-17	Westbound ITT Reduced Instrumentation	10/30/2020	\$ (184,277.50)	0 days
CO-18	Willoughby Bay Bridge Barriers	9/10/2020	\$ -	0 days
CO-19	GeoPak Version Software Updates	8/3/2020	\$ -	0 days
CO-21	Material Price Adjustment for Asphalt Materials	2/26/2021	\$ -	0 days
CO-22	South Island Asbestos Conduits	9/16/2020	\$ 81,973.93	0 days
CO-23	Island & Tunnel Baseline Monitoring Requirements	7/22/2020	\$ -	0 days
CO-24	Construction Water Supply	9/10/2020	\$ (609,157.27)	0 days
CO-25	Solids Handling Pumps Requirements	11/12/2020	\$ -	0 days
CO-26	Mass Notification Independent System Requirements	11/12/2020	\$ -	0 days
CO-27	Fixed Fire Fighting System Requirements	11/16/2020	\$ -	0 days
CO-28	HOT Lane Shoulder Width	3/29/2021	\$ 2,950,000.00	0 days
CO-30	Willoughby Bay Bridges Fender & Lighting Replacement	2/12/2021	\$ 1,495,000.00	0 days
CO-31	Builder's Risk Insurance	10/21/2021	\$ 1,500,000.00	0 days
CO-32	VCU Fisheries and SAV Mitigation Plan	4/16/2021	\$ (1,042,144.00)	0 days
CO-33	Tunnel Finishes Height	12/18/2020	\$ -	0 days
CO-38	H-Piles in Aggressive Soils	12/18/2020	\$ (47,541.00)	0 days
CO-39	Re-use of Existing Drainage Pipes	4/20/2021	\$ (100,984.25)	0 days
CO-40	Update Maximum Cumulative Cost Curve	7/15/2021	\$ -	0 days
CO-41	Wetland Mitigation Costs	4/26/2021	\$ 3,503,400.00	0 days
CO-42	Navy Gate 22 Drainage Design and Construction	8/19/2022	\$ 1,524,940.16	0 days
CO-43	Hybrid Trestle Beam Design	7/2/2021	\$ -	0 days
CO-44	SCADA Control of Deluge Valves	7/27/2021	\$ -	0 days
CO-45	HRCF Project Executive/Representative Change	5/24/2021	\$ -	0 days
CO-46	Tunnel Sprinkler Heads Material Change	7/28/2021	\$ -	0 days
CO-47	Evans Street Approach Slab Settlement Repair	6/22/2022	\$ 34,082.83	0 days
CO-48	Scope Reduction – City of Hampton	8/24/2022	\$ (6,072,941.31)	0 days
CO-49	HRCF Senior Representative Change	7/2/2021	\$ -	0 days
CO-50	Change in Precast Form Tolerance & Curing Methods	1/10/2022	\$ -	0 days
CO-52	Key Personnel	10/24/2024	\$ -	0 days
CO-53	Sound Wall Quantity Reconciliation	12/6/2021	\$ (16,561,217.63)	0 days
CO-54	4th View Interchange Design and Construction Drainage	8/17/2022	\$ 984,598.45	0 days
CO-55	HREL Overlap Scope Change in Norfolk - Proposal Costs	8/12/2022	\$ 157,237.34	0 days
CO-56	Building Code Changes - Design	10/21/2022	\$ 2,186,150.00	0 days
CO-57	Design-Builder's Senior and Representative Changes	1/11/2022	\$ -	0 days
CO-58	Scope Reduction – City of Norfolk	5/16/2023	\$ (18,739,670.82)	0 days
CO-59	Fisheries and SAV Mitigation Plan - VCU	6/16/2022	\$ (70,238.22)	0 days
CO-60	Navy Fence (remaining design costs)	8/17/2022	\$ 180,142.36	0 days
CO-61	HRELN Tie-In Zero Drainage Spread	11/29/2022	\$ 2,965,469.69	0 days
CO-62	SIP Forms for Marine Bridges	6/28/2022	\$ -	0 days
CO-63	Bridge Repair Item – Insert Plates - New Unit Prices	8/30/2023	\$ -	0 days
CO-64	Tolling Infrastructure Proposal Costs	10/21/2022	\$ 645,242.40	0 days

CO-65	Snowplowable Raised Pavement Markers (SRPMs)	3/3/2023	\$ 256,174.09	0 days
CO-66	Additional Design Costs – CSPM Code Changes and Island Security Fencing - Unilateral	8/14/2024	\$ 3,541,051.00	0 days
CO-68	Buoyancy Calculations	3/3/2023	\$ -	0 days
CO-69	Change of Department's Senior Representative	4/6/2023	\$ -	0 days
CO-70	Reuse of Existing Pipe 29-26 to 29-31	7/26/2023	\$ (117,734.20)	0 days
CO-71	Addendum to WO-24 Water Supply Line	4/25/2023	\$ -	0 days
CO-72	Bay Avenue Approach Ramp	6/29/2023	\$ 120,053.43	0 days
CO-73	Pile Jackets – Additional Chloride Sampling/Testing	1/10/2024	\$ 118,665.12	0 days
CO-74	South Island – Asbestos Pipes	7/7/2023	\$ 128,883.51	0 days
CO-76	Northern Long-Eared Bat (NLEB) Consultation Process	5/1/2024	\$ 45,463.00	0 days
CO-77	Scope Reduction – Segment 5 ITS Trunk Line	11/12/2023	\$ (153,079.38)	0 days
CO-78	Steel Escalation Price Adjustments	9/19/2023	\$ 2,835,839.00	0 days
CO-79	WB Willoughby Bay Bridge Obstructions	1/10/2024	\$ 50,682.44	0 days
CO-80	Marine Fleet Safe Harbor – Hurricane Ian	1/10/2024	\$ 452,075.00	0 days
CO-81	3-Coat Paint System for Steel on Applicable Bridges	1/10/2024	\$ 140,000.00	0 days
CO-82	CA Amendment Disputed Items Resolution	3/21/2024	\$ 9,910,582.34	0 days
CO-83	Marine Fleet Safe Harbor – Tropical Storms Idalia/Ophelia	1/11/2024	\$ 200,262.16	0 days
CO-84	Bird Management Outside of South Island 2023	2/29/2024	\$ 458,375.51	0 days
CO-85	DRBISC #08 SMOT WB Rock Removal	4/3/2024	\$ 1,135,513.87	0 days
CO-86	OHSS No. 36 Foundation – Archaeologist Assessment	2/20/2024	\$ 14,641.81	0 days
CO-87	Traffic IIM-TE-395	8/12/2024	\$ 787,510.46	0 days
CO-88	Bird Management 2024 to Project Completion	5/1/2024	\$ 2,369,359.64	0 days
CO-91	DRBISC #08 ST Zone 6 Rock Removal	5/8/2024	\$ 1,710,784.92	0 days
CO-93	Construction General Permit - 2024	10/15/2024	\$ 411,136.65	0 days
CO-94	HRCF Representative Change	6/11/2024	\$ -	0 days
CO-96	4 th View Drainage and Pavement Repair	1/6/2025	\$ 163,199.33	0 days
CO-97	Security Fence	11/7/2024	\$ 863,079.73	0 days
CO-98	DRBISC #12 SMOT WB Abutment	11/26/2024	\$ 294,661.79	0 days
CO-99	ITS Cabinet Materials	4/18/2025	\$ 3,296,173.94	0 days
CO-103	Willoughby Bay Bridge Concrete Overlay	4/16/2025	\$ -	0 days
CO-104	Marine Fleet Safe Harbor – Tropical Storm – Debby 2024	3/27/2025	\$ 253,831.48	0 days
CO-105	Design Builder Member Restructuring	3/26/2025	\$ -	0 days
CO-108	Project Representatives Change	5/5/2025	\$ -	0 days
CO-110	DTISC #36 Sub Surface Ground Conditions Ring 1011	5/19/2025	\$ 2,195,784.00	0 days
TOTAL			\$ 90,916,126.99	0 days

3.4.2 Material Price Adjustments

This progress period included the following material price adjustments:

Material	Current Amount	Total to Date	Material Price Adjustment Through*
Per Contract Adjustments (Federally Eligible Costs)			
Exhibit 9 - Asphalt	\$15,951.62	\$352,052.62	March 2025
Exhibit 10 - Fuel	\$19,353.04	\$649,397.50	March 2025
Exhibit 11 - Steel	\$71,467.24	\$7,498,131.91	November 2024
Total	\$106,771.90	\$8,499,582.03	
Per CA Amendment Adjustments (Non-Federally Eligible Costs)			
Exhibit 9 - Asphalt	\$0.00	\$0.00	March 2025
Exhibit 10 - Fuel	\$253.80	\$43,525.94	March 2025
Exhibit 11 - Steel	\$107,392.25	\$10,694,776.64	November 2024
Exhibit 10A – Fuel (Atypical Items)	\$5,189.29	\$1,564,029.36	March 2025
Exhibit 15A – Index-Adjusted Commodities	\$1,926,122.89	\$80,836,914.74	November 2024
Exhibit 15B – Escrow-Adjusted Commodities	\$1,519,166.25	\$28,707,360.09	March 2025
Total	\$3,558,124.48	\$121,846,606.77	

*Steel price adjustments are based on Federal index data finalized 4 months after each period.

4. Environmental

The following environmental management activities occurred during this reporting period:

Permits:

- HRCP is awaiting agency comments on the proposed adjustments to two (2) dry hydrants located on the North Island that were previously approved in JPA modification #10. These dry hydrants are intended to be used for firefighting, if necessary. The adjustments were requested by the state fire marshal during a recent inspection.
- HRCP submitted additional information to DEQ regarding the air permit application for the North Island Pugmill Plant. DEQ has indicated they currently have the necessary information to process the application.
- HRCP initiated inspections of the Oastes Creek Bridge on April 28, 2025, utilizing an amphibious vehicle that traversed a wetland area not approved as an access point. HRCP halted work on the same day and submitted a revised work plan to the agencies on April 29, 2025, for review and approval.
- HRCP and VDOT held a meeting on May 1, 2025, to review comments on the quarterly update of the Environmental Management Plan (EMP).
- HRCP submitted a 6-month progress report to the U.S. Army Corps of Engineers regarding pile removal/extraction activities that occurred during the last six months.
- HRCP submitted sediment sampling/testing results on May 20, 2025, to Dominion and Holland Landfills as part of their agreements with receiving these soils for disposal.
- HRCP submitted Revision 7 of the Spill Prevention Control and Countermeasures Plan to VDOT on May 22, 2025.

Marine Mammal Protection:

- No new activities.

Bird Mitigation:

- HRCP continues to remove nest materials from beneath bridge structures near Willoughby Spit and Oastes Creek.
- Flyaway Geese staff and dogs are currently patrolling the project areas to prevent early nesting and egg laying.

Programmatic Agreement:

- No new activities.

Archeological Discoveries:

- HRCP discovered a buried, unexploded ordnance (UXO) at the South Island rectilinear excavation on May 24, 2025. Ordnance specialists from Langley Air Force Base responded to the discovery, removing and disposing of the find.

Protected Species:

- No new activities.

5. Construction

The figure below illustrates a map of the project corridor. The project is further categorized into four construction areas.

- Construction Area 1 is composed of landside road work.
- Construction Area 2 is composed of marine work, including the North Trestle, South Trestle, and island expansions.
- Construction Area 3 is composed of tunnel and island site work.
- Construction Area 4 is composed of landside road and bridge work.



5.1 Construction Area 1: Landside Roadways

I-64 (Segment 1):

- Began median barrier wall foundation excavation near South Mallory St.
- Began moment slab rebar and formwork at retaining wall 103 near South Mallory St.
- Began construction of MSE wall panels at retaining wall 103 and 105.
- Began demolition of existing abutment at retaining wall 105 near South Mallory St.
- Completed panel installation at retaining wall 103 near West Mallory St.
- Continued installation of steel straps at MSE wall 103 and 105.
- Continued 57 stone backfill at MSE wall 103 and 105.

I-64 (Segment 3):

- Began roadway subgrade work at retaining wall 302 near Bayville St.
- Began installation of face wall panels at retaining wall 309 near 4th View St.
- Began lagging wall work at retaining wall 310 near 4th View St.
- Completed precast panels at retaining wall 309 along 4th View St.
- Completed existing asphalt removal near 4th View St.
- Completed fine grading near 4th View St.
- Completed approach slab asphalt placement at retaining wall 308 between Willoughby Bridge and 4th View St.
- Completed CIP coping pour at retaining wall 302 near Bayville St.
- Completed moment slab work at retaining wall 302 near Bayville St.
- Completed excavation and backfill with #57 stone at retaining wall 314 between Willoughby Bridge and 4th View St.
- Completed moment slab rebar installation and inspection at retaining wall 307 near 13th View St.
- Completed traffic shift of 4th View eastbound off ramp to phase 2A.
- Continued roadway subgrade work at 4th View St.
- Continued undercut and backfill work at retaining wall 314 between Willoughby Bay and 4th View St.
- Continued barrier wall work at retaining wall 302 near Bayville St.
- Continued formwork at retaining wall 302 near Bayville St.
- Continued installation of soldier piles along retaining wall 310 near 4th View St.
- Continued embankment fill at retaining wall 309 near 4th View St.
- Continued drainage work along 4th View westbound on ramp.
- Continued storm drain installation at 4th View on ramp eastbound.

I-64 (Segment 4):

- Began preparations for traffic switch at retaining wall 409 along Bay Ave. Bridge.
- Began rebar installation at retaining wall 402 along 1st View St.
- Completed light pole installation at retaining wall 406 near West Bayview Blvd. Bridge.
- Completed light pole foundation pour between Mason Creek View and 1st View St.
- Completed guardrail installation at retaining wall 405 before West Evans St.
- Completed installation of end wall at the triple barrel run near Patrol Rd.
- Completed intermediate asphalt placement at retaining wall 409 near West Bayview Blvd. Bridge.

- Continued barrier wall installation at retaining wall 402 after 1st View St.

I-64 (Segment 5):

- Completed installation of barrier wall at retaining wall 501 near Patrol Rd.



◀ **Segment 3**
Retaining Wall 302
moment slab work



◀ **Segment 3**
Traffic Shift on 4th View
eastbound off-ramp

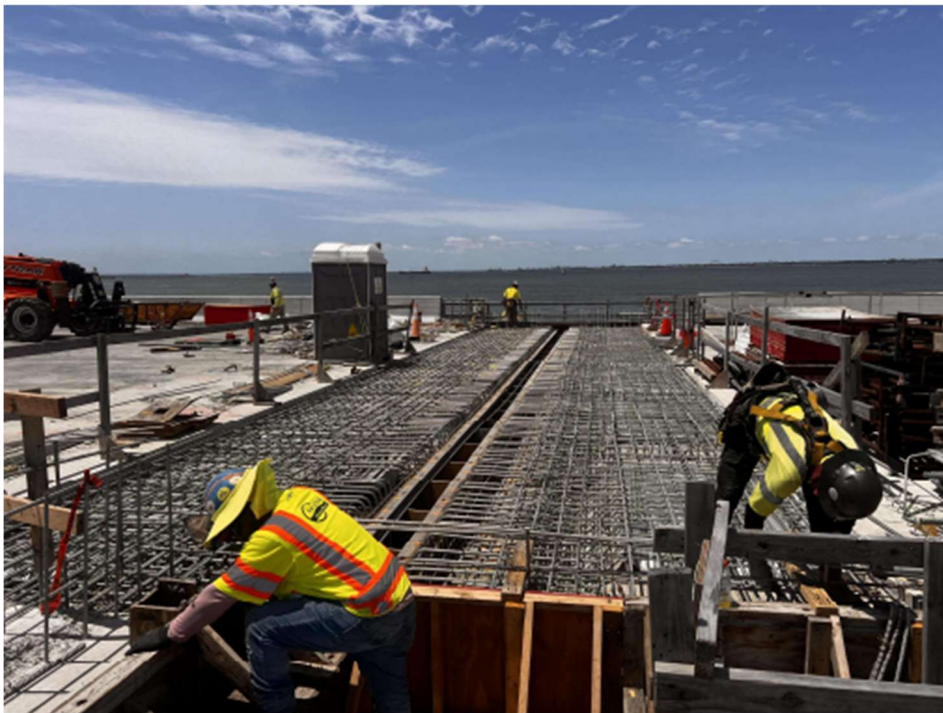
5.2 Construction Area 2: Marine Trestle Work

North Trestle:

- **Westbound**
 - 6 piles driven during this period (165 out of 261 total piles driven).
 - Partial cap placed during this period (25.5 out of 46 total caps placed).
 - 1 deck placed during this period (22.5 out of 45 total decks placed).

South Trestle:

- **Eastbound**
 - 12 piles driven during this period (349 out of 465 total piles driven).
 - 1 deck placed during this period (35.5 out of 53 total decks placed).
- **HOT Westbound**
 - 2 decks placed during this period (10 out of 16 total caps placed).
 - 15 beams installed during this period (55 out of 80 total beams installed).



◀ **South Trestle
Eastbound**
Reinforcing Bent
13 tooth joint

5.3 Construction Area 3: Tunnels and Islands

South Island:

- 67% complete for portal internal walls.
- 52% complete for portal plenum slabs.
- 54% complete for south portal rectilinear approach excavation.
- 15% complete for south portal rectilinear approach wall waterproofing.
- 32% complete for south portal rectilinear approach base slab waterproofing.

North Island:

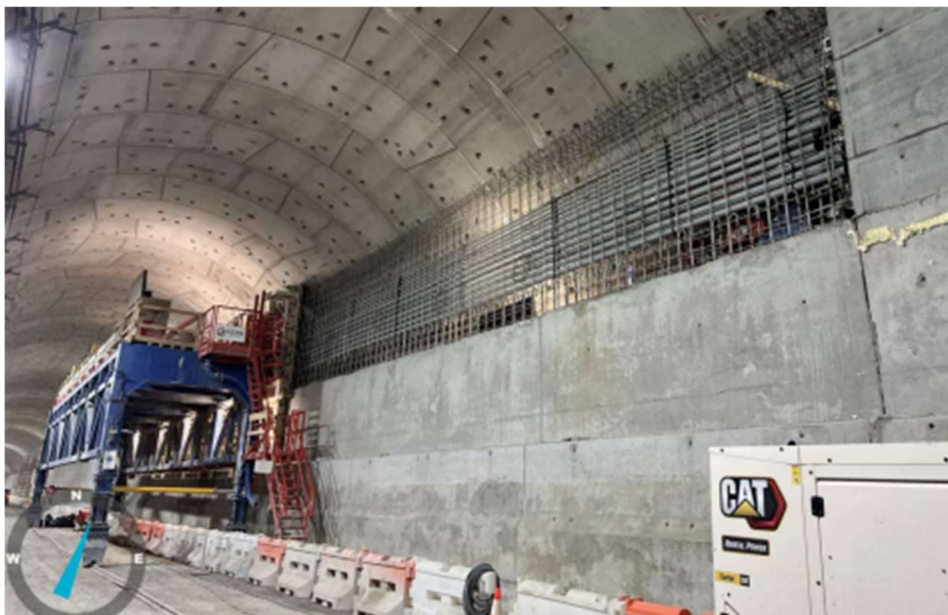
- Completed for rectilinear approach base slab waterproofing at north island portal.
- 98% complete for rectilinear approach base slab concrete at North Island.
- 44% complete for exterior walls waterproofing at Cell 2.
- 9% complete for rectilinear approach exterior wall at North Island.

HT Tunnel:

- Completed for low point pump station (LPPS) structures in HT tunnel.
- Continued work on concrete tunnel egress structures in the HT tunnel.
- Continued installation of water main and drainage force main in HT tunnel.
- 78% complete for installation of egress footer in HT tunnel.
- 54% complete for installation of egress structure L-walls in HT tunnel.
- 12% complete for egress structure plenum wall in HT tunnel.

GP Tunnel:

- 58% complete for General Purpose (GP) tunnel excavation (4,586 ft out of 7,961 total ft excavated).
- 162 concrete tunnel rings installed this period (681 out of 1,194 total rings installed).
- 10% complete for GP tunnel ballast placement stage 1.
- Removed, repaired, and reinstalled electrical motor for return slurry booster pump P2.2.



◀ TIS
Plenum Wall
Reinforcing &
Formwork

5.4 Construction Area 4: Landside Bridges

Mallory Street Bridge:

- Began preparations for footing placement at Abutment A for westbound widening.
- Completed median pier cap placement for westbound widening.

Bayville/13th View Street Bridge

- Began stay-in-place and reinforcement preparations for eastbound widening.
- Completed girder placement for eastbound widening.
- Completed cap placement at pier 1 for eastbound widening.
- Completed pile driving operations at Abutment B for westbound widening.
- Continued rebar placement operations at Abutment B for eastbound widening.
- Continued approach slab operations at Abutment B for eastbound widening.

Willoughby Bay Bridge:

- Began A4 overlay placement preparations for spans 11 – 15 for eastbound widening.
- Began light pole blister and parapet forming and reinforcement work for eastbound widening.
- Began pile driving operations at bent 11 for westbound widening.
- Began deck placement preparations at spans 46 – 47 for westbound widening.
- Began pile driving operations at bent 10 for westbound widening.
- Began parapet slipform work at spans 40 – 49 for westbound widening.
- Completed pile driving operations at bent 9 for westbound widening.
- Completed A4 overlay placement at spans 78 – 79 for westbound widening.
- Completed hydro demolition Type B work at spans 30 – 50 for eastbound widening.
- Continued parapet placement for eastbound widening.
- Continued Type C patching for eastbound widening.
- Continued cap placement operations for bents 54 – 55 for westbound widening.
- Continued stay-in-place installation for westbound widening.
- Continued pile driving operations for westbound widening.
- Continued repair/rehabilitation of existing westbound bridge.

Bay Avenue Bridge:

- Began parapet demolition for westbound widening.
- Began parapet placement for westbound widening.
- Began approach slab placement preparations for westbound widening.
- Began approach slab reinforcement at Abutment A for westbound widening.
- Completed cap placement at bent 14 for westbound widening.
- Continued pile driving work at bent 13 for westbound widening.

Mason Creek Bridge

- Began parapet demolition operations for westbound widening.
- Began parapet forming operations for westbound widening.

1st View Bridge

- Began parapet demolition operations for westbound widening.
- Began parapet forming operations for westbound widening.

Evans St. Bridge:

- Completed hydro demolition operations for eastbound widening.
- Completed latex overlay operations for eastbound widening.

Bayview Blvd. Bridge:

- Began deck grooving preparations for eastbound widening.
- Completed latex overlay operations for eastbound widening.

Oastes Creek Bridge:

- Began deck grooving preparations for eastbound widening.
- Completed latex overlay operations for eastbound widening.

Patrol Road Bridge:

- Began approach slab placement operations at Abutment B for eastbound widening.
- Completed stay-in-place installation for eastbound widening.
- Continued rehabilitation operations for existing westbound bridge.



◀ **13th View**
Pier 1 cap placement
eastbound

6. Operations

Operations activities include shoulder and lane closures, creation and maintenance of Intelligent Transportation System (ITS) architecture, other maintenance within the corridor, coordination with existing VDOT Operations, and communication with the Hampton Roads Harbor Tunnels (HRHT) facility staff. The following operations activities occurred during this reporting period:

Short-Term Lane Closures:

- Willoughby Bay Bridge, North Trestle, and South Trestle eastbound and westbound to facilitate beam placement as well as concrete placement for piles, caps, and decks.
- Striping maintenance throughout the project corridor.
- Lane closures eastbound and westbound for widening activities.
- Slow rolls and all stops westbound for ITS installation.

Long-Term Lane Closures:

- Bay Ave. in Norfolk to facilitate staging-area access for widening Oastes Creek Bridge.
- Bayview Blvd. in Norfolk and Mallory St. in Hampton to facilitate bridge widening.
- West Ocean Ave. in Norfolk traffic shift to facilitate bridge widening.
- Patrol Rd. in Norfolk traffic shift to facilitate bridge rehabilitation and widening.

Norfolk Traffic Shifts

- Minor shift of traffic on westbound I-64 between Patrol Rd. and West Bay Ave. to facilitate road and bridge widening.

Detours:

- Temporary detour of West Bay Ave. westbound for bridge demolition activities.
- Temporary detour of 4th View off ramp westbound for ramp widening activities.
- Temporary detour of West Bay Ave. on ramp eastbound for lane shift activities
- Long-term detour on Mason Creek Rd. to facilitate bridge widening.

Intelligent Transportation System (ITS):

- Relocation and activation of ITS devices at Overhead Sign Structure #18.
- Installation of ITS, Medium Voltage power, and private utility conduit on South Trestle and landside.
- Quarterly concept of operations meeting held, discussed status updates and upcoming relocation activities.

Overhead Sign Structures:

- Foundation installation.

Roadway Lighting:

- Continued permanent lighting installation on Willoughby Bay Bridge and Oastes Creek Bridge.
- Continued temporary lighting installation at South MOT bridge.
- Addressing maintenance of temporary lighting throughout the corridor.

7. Quality

Quality updates for this reporting period include:

Construction Quality Management Plan (CQMP) Updates:

- VDOT reviews CQMP updates as part of final “Released for Construction” (RFC) design packages and “Notice of Design Change” (NDC) packages. No packages were received during this period.
- Revision 21 of the CQMP was received last period and was returned as revise and resubmit this period.

Independent Assurance (IA) Testing Activities:

- VDOT continues to monitor HRCP’s QA and QC material testing. VDOT also performed Independent Testing and Verification Testing on materials in accordance with VDOT requirements and coordinated with VDOT Materials Department for shop inspections as required.

Design Quality Management Plan (DQMP):

- Revision 23 to the Design Quality Management Plan was received last period and returned approved this period.

Quality Management System Plan (QMSP):

- VDOT continues to engage HRCP in discussions on HRCP’s implementation of their QMSP and the effectiveness of the plan.
- Revision 28 of the QMSP was received last period and returned revise and resubmit this period.

Material Book Records:

- VDOT conducted a monthly review of the current records, and HRCP is responding to audit comments provided by VDOT. Review of the Material Book records includes confirming that HRCP is completing the proper documentation for Buy America compliance. VDOT has completed the full audit of forty-one volumes of Material Book records and is currently auditing three additional volumes of Material Book records.

Routine Quality Activities:

- VDOT’s quality team conducted reviews of written deficiency notices (WDNs), non-conformance reports (NCRs), root cause analyses and dispositions of deficiencies, with 33 NCRs reviewed for concurrence during this period. VDOT conducted reviews of QA and QC records for accuracy and quality issues and coordinated documentation reviews through VDOT’s Material Department. VDOT also continues a review of current construction quality by performing inspections based on VDOT’s Construction Quality Improvement Program (CQIP).

8. Safety

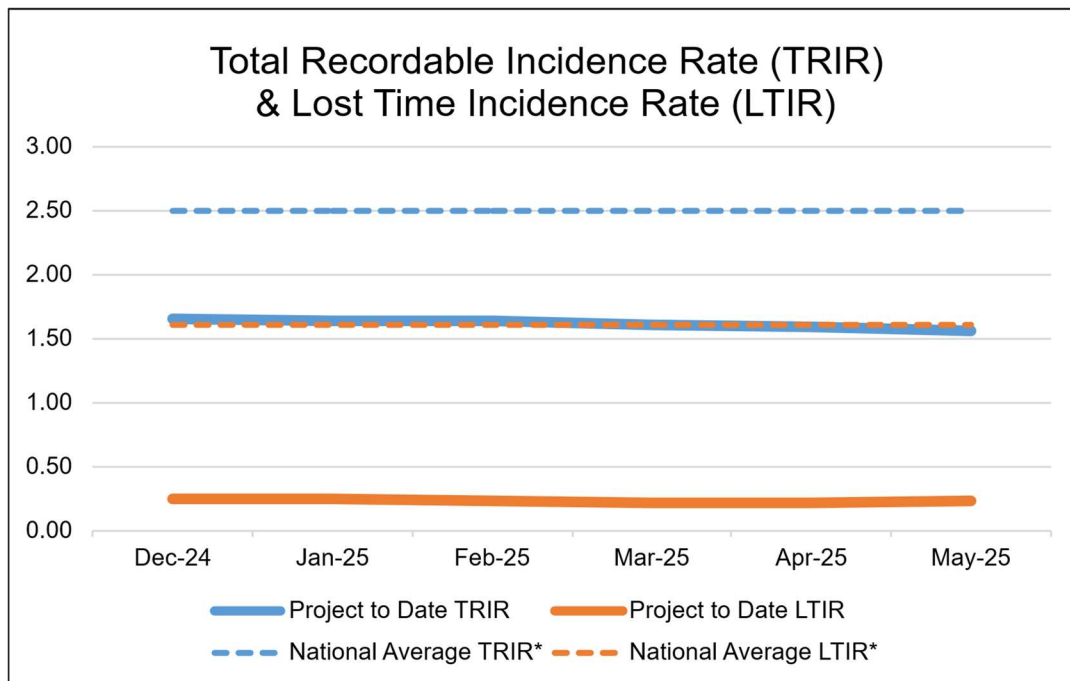
Safety procedures and activities during this reporting period include:

Safety Activities:

- HRCP Safety Week began on May 12, 2025. HRCP conducted daily safety activities, trainings, and safety awareness challenges.
- VDOT conducted a safety standdown with HRCP on May 12, 2025.
- Owners Project Personnel hosted multiple tours of the project for this reporting period.
- VDOT/HRCP Safety performed bi-monthly safety walks in work areas throughout the project.

Safety Performance Indicators:

- The following safety performance indicator information is provided by HRCP and is current as of May 31, 2025:



**National averages are from the Bureau of Labor Statistics, US Department of Labor – 2021 Data for Construction Industry, Published November 9, 2022.*

9. Civil Rights & DBE/SWaM Business Opportunities

To date, HRCP has awarded **381** subcontracts, subconsultant agreements and purchase orders to certified DBE/SWaM firms. The total contract award is **\$603.2 million** to date. A total of **\$537.3 million** has been paid for work completed by DBE/SWaM firms.

Compliance Activities:

- HRCP and VDOT met on May 20, 2025, for its monthly Civil Rights Workgroup Meeting. The discussion primarily focused on plans for achieving the OJT goal commitments established in the Comprehensive Agreement in alignment with guidance in the Virginia Transportation Construction Alliance (VTCA) and VDOT On-the-Job Training Program Manual.
- During the reporting period, HRCP's 2025 Second Quarter DBE/SWaM Good Faith Efforts Report/C-111, DBE/SWaM Utilization Plan, and Workforce Participation Plan were submitted as required by the Comprehensive Agreement for VDOT's formal review.

Workforce Development Activities:

- HRCP's On-the-Job Training Program currently represents 48 graduates of the contract goal of 80. There are 10 active enrollees as of this reporting period.
- VDOT and HRCP staff promoted employment opportunities for Lake Taylor High School's seniors on Wednesday, May 14, 2025.

Business Development Activities:

- HRCP attended the Hampton Roads Leadership Forum – "Bridging Today's Challenges" hosted by the Women's Transportation Seminar (WTS) on May 21, 2025, where HRCP's DBE/SWaM manager was a panelist for the event.

10. Public Outreach & Media

The following public outreach and project media activities occurred in this period:

Public Outreach

- April 21, 2025 – Assistant Project Director Pete Reilly provided project updates and a site visit to officials from City of Virginia Beach.
- April 23, 2025 – Communications staff shared information about the project’s engineering, environmental, and technology features at the Tabb Middle School Science Expo in Yorktown.
- April 25, 2025 – Project Director Ryan Banas provided project updates to members of the Lead Virginia Class of 2025.
- April 25, 2025 – Communications team hosted a STEM exhibit featuring a model of the TBM at the 2025 Air Power Over Hampton Roades event at Langley Air Force Base in Hampton.
- April 25, 2025 – Assistant Construction Manager Philip Casteen presented project updates to engineering students from Old Dominion University.
- April 29, 2025 – HRBT Expansion team hosted a second Welcome Center Open House of the month of April for members of the public.
- May 1, 2025 – Communications Director Paula Miller provided project updates for East Ocean View Civic League in Norfolk.
- May 6, 2025 – Project Director Ryan Banas provided project updates and a site visit for Federal Policymakers as part of American Road & Transportation Builders Association (ARTBA).
- May 6, 2025 – Project Manager Michelle Martin provided project updates and a site visit for officials from Pennsylvania Turnpike Commission’s Chief Engineer and Fluor Design Group.
- May 7, 2025 – HRBT Expansion team provided project updates at the Norfolk Sertoma Club.
- May 9, 2025 – HRCP hosted the second annual “Friends of HRBT” golf tournament. Proceeds from the event will be donated to Court Appointed Special Advocates (CASA).
- May 10, 2025 – HRBT Expansion team hosted their first Welcome Center Open House for the month of May for members of the public.

- May 15, 2025 – HRBT Expansion team provided project updates at the Newport News recreation center.
- May 19, 2025 – HRBT Expansion team hosted a second Welcome Center Open House of the month of May for members of the public.
- May 20, 2025 – Project Director Ryan Banas provided project updates and a site visit for Admiral Jorge Cuadros and Naval Facilities Engineering Systems Command staff.
- May 21, 2025 – Communications Director Paula Miller provided project updates for Roosevelt Gardens Civic League in Norfolk.
- May 22, 2025 – District Engineer Chris Hall and Project Director Ryan Banas provided project updates for the Hampton Rotary Club and Hampton Air & Space Museum.

Media

- April 28, 2025 – (HRBT Expansion Project) April 2025 HRBT Newsletter <https://hrbtexpansion.vdot.virginia.gov/newsroom/newsletter/>
- May 5, 2025 – (WAVY) Only On 10: There's something about mining with Mary as part of HRBT expansion work <https://www.wavy.com/traffic/hrbt-expansion-project/theres-something-about-mining-with-mary-as-part-of-hrbt-expansion-work/>.
- May 13, 2025 – (WTKR) Binoculars, cameras, dogs: Keeping nesting shore birds away from HRBT construction <https://www.wtkr.com/hampton/thousands-of-birds-are-nesting-near-the-hrbt-expansion-these-women-make-sure-they-dont-get-too-close>

Lane Closures/Advisories

- April 25, 2025 – Weekly Lane Closure Report
- May 2, 2025 – Weekly Lane Closure Report
- May 9, 2025 – Weekly Lane Closure Report
- May 16, 2025 – Weekly Lane Closure Report
- May 23, 2025 – Weekly Lane Closure Report
- May 23, 2025 – Willoughby Pile Driving Activities

Visit our website to view more information:

<https://hrbtexpansion.vdot.virginia.gov/>