



July 2021
Monthly Project Report

I-64 HAMPTON ROADS BRIDGE-TUNNEL EXPANSION

Report 28

Project No. 0064-M06-032



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Prepared by:
Virginia Department of Transportation

www.hrbtexpansion.org

1. Executive Summary

1.1 Overview

This report provides an overview of accomplishments and activities for the Hampton Roads Bridge-Tunnel Expansion Project from June 20, 2021 – July 24, 2021. 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, the following project accomplishments were recorded:

- The design of the project continues to progress, with 76% of the project construction plans approved as Released for Construction (RFC).
- South Island Progress:
 - 98% of the slurry wall panels necessary to begin excavation of the South Island TBM launch pit are complete.
- North Island Expansion Progress:
 - Continued Island fill placement (6 out of 8 sections complete to elevation 5.0').
- Continued permanent pile driving operations for the North Eastbound and South Trestle.
- Began construction of the Evans St bridge for Eastbound widening.
- Completed construction of the Oastes Creek Temporary Work Trestle.
- Began pile driving for the widening of Oastes Creek Bridge Eastbound.
- VDOT's Chief Deputy Commissioner Rob Cary presented HRCP with this year's Prime Contractor of the Year Award, which was highlighted by several local media outlets.

1.2 Priorities

The Department'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

Schedule updates for this reporting period include:

- HRCP is currently on track to achieve the Substantial Completion in accordance with the contract milestone of September 1, 2025.
- HRCP is currently on track to achieve Final Completion in accordance with the contract milestone of November 1, 2025.
- Approximately 33% of the scheduled time has elapsed to date.

Project Budget

Updates through the preliminary July - 2021 payment application, including payment that is pending approval.

- Project budget overview:

Original total project budget:	\$	3,861,997,227
Total expenditures to date:	\$	1,010,939,015
Remaining project budget:	\$	2,851,058,211

- Design-build contract overview:

Design-build contract original amount:	\$	3,299,997,227
Net change orders:	\$	17,244,947
Exercised options:	\$	73,454,414
Design-build contract sum to date:	\$	3,390,696,588
Expenditures to date:	\$	964,806,275
Remaining design-build contract amount:	\$	2,425,890,313

- Design-build progress to date:

Overall:	28.58%
Project Management:	28.39%
Design:	78.65%
Physical Construction Progress:	13.23%

Environmental

During this reporting period, HRCP took the following steps in support of environmental management for the project:

- HRCP submitted their quarterly Environmental Management Plan No. 8 for review.
- HRCP submitted permit modification request #5 to the agencies on June 23, 2021.
- HRCP received approval of permit modification #4 from the U.S. Army Corps of Engineers on July 9, 2021.
- HRCP continued the use of dogs and handlers to encourage birds to nest away from the project site and performed maintenance work on passive measures located on South Island.
- Two cannonballs have been encountered in separate locations during hydromill operations and capping beam construction on the South Island. These new findings are being coordinated with the Department of Historic Resources.

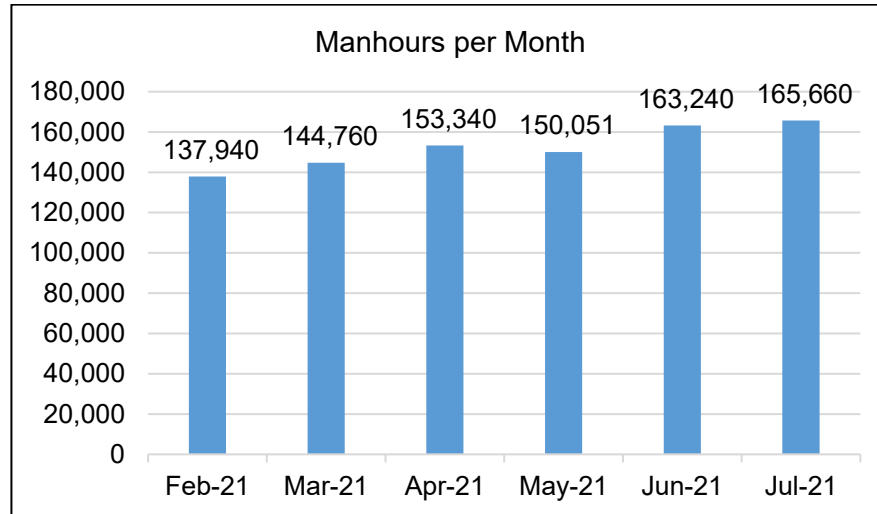
Construction

Progress updates for this reporting period include:

- Hampton Landside
 - Continued temporary sidewalk work at Mallory St.
 - Completed Mallory St bridge north parapet demolition
- Marine Works
 - Placed concrete for the Abutment A footing for the South EB Maintenance of Traffic (MOT) Trestle.
 - Continued permanent pile driving operations for the North EB and South Trestle.
 - Continued pile driving operations for the N2 temporary construction trestle.
 - Continued expansion of the North Island. Continued placement of island soil fill material. Began removing armor stone from the west side of the existing North Island in advance of proposed tunnel and portal work.
- Tunnels and Islands
 - 98% of the slurry wall panels necessary to begin excavation of the South Island TBM launch pit are complete. Began demolition in preparation for installing capping beams at Cell 2 and Cell 3 of the launching pit.
 - Completed coring operations for the deep soil mixing field trial program.
 - Continued ground improvement deep soil mixing and jet grouting operations at the South Island.
 - Completed installing piezometers and continued installing dewatering wells on the South Island to support TBM Launch Pit.
- Norfolk Landside
 - Began construction of the Evans St bridge EB widening.
 - Began construction of the Willoughby Bay EB Temporary Work Trestle.
 - Began construction of the Willoughby Bay Bridge EB widening
 - Completed fill operation at the East Abutment for the Bay Ave bridge.
 - Completed mainline outside shoulder work for early work along I-64.

- Completed construction of the Oastes Creek Temporary Work Trestle.
- Began pile driving for widening of EB Oastes Creek Bridge.

The number of construction manhours worked each month is provided by HRCP and is current as of July 31, 2021:



Project Manhours to Date:
2,065,360

Operations

The following operations activities took place during this reporting period:

- Conducted initial MOT traffic shifts and restriped pavement in preparation for barrier wall installation in Norfolk.
- Implemented a center turn lane closure at the Mallory St Bridge. Also performed switchover to temporary traffic signal at the Mallory St Bridge.
- Monitored HRCP's preparation and response to tropical storm Elsa.
- Performed a low voltage power switchover on the North Island to eliminate conflicts with the upcoming MOT trestle.
- Implemented fulltime Virginia State Police (VSP) support throughout the project corridor.

Quality

Quality updates for this reporting period include:

- VDOT reviewed 14 Construction Quality Management Plan (CQMP) updates this period.
- VDOT continues to track Owner's Independent Assurance (OIA) and Owner's Verification Sampling and Testing (OVST) requirements and conducts testing as needed.
- VDOT continues to monitor HRCP's material book records for compliance.

Safety

Safety procedures and activities during this reporting period include:

- VDOT conducts routine safety site visits to promote safe work zones and ensure HRCP's Safety Program is functioning.
- The following safety performance indicator information is provided by HRCP and is current as of July 31, 2021. HRCP is performing better than the national averages.
 - Total Recordable Incidence Rate: 1.74 (National Average: 2.8)
 - Lost Time Incidence Rate: 0.00 (National Average: 1.1)

Civil Rights & DBE/SWaM Business Opportunities

To date, the Design-Builder awarded **246** subcontracts, subconsultant agreements and purchase orders. No additional agreements were awarded during this period for certified DBE/SWaM certified firms. There was a slight increase in contract awards for a total of **\$333 million** due to change orders issued to active DBE/SWaM firms on the project.

- HRCP submitted the 2021 2nd Quarter Good Faith Effort Report, along with other required plan documents for VDOT's review.
- HRCP launched a workforce and community engagement platform called SkillSmart for enhanced reporting capabilities.
- Major Hiring Campaign launched by HRCP to accelerate recruitment efforts for the project.
- VDOT hosted its Annual DBE Symposium on June 29, 2021, where HRCP was awarded Prime Contractor of the Year, along with other firms associated with the HRBT project. These firms include: CES Consulting receiving DBE Consultant of the Year, and Metals of Distinction receiving the DBE Trailblazer Award.

Public Outreach & Media

Public outreach and project media updates provided by VDOT and HRCP for this reporting period are as follows:

- Presentation to The Chamberlin Residents
- Meetings with the Cities of Hampton and Norfolk
- July HRBT Tunnel Talk podcast
- June/July 2021 Newsletter
- Presentation to Norfolk Collegiate STEM students
- Summer 2021 Magazine
- Presentation to An Achievable Dream Middle School and High School
- Progress updates to Hampton University
- Magazine and news articles

2. Project Schedule

2.1 Schedule Status

The following table depicts key milestone dates outlined in the contract requirements. This table will be used as a benchmark to track milestone achievements and has been updated as of the current submitted schedule. The dates below are reflective of the most recent submitted schedule update, which is the Schedule of Record compared with Schedule Update 23.

	Contract Requirement	Schedule of Record Dates	June 2021 (Update 23)	Actual
NTP		Sep 9, 2020	Sep 11, 2020	Sep 11, 2020
Substantial Completion	Sep 1, 2025	Aug 27, 2025	Sep 1, 2025	
Final Completion	Nov 1, 2025	Nov 1, 2025	Nov 1, 2025	

2.2 Longest Path

The longest path to achieve the completion date of the Project Schedule Update 23 is driven by the following activities:

- South Portal Launching Pit Slurry Walls Construction Panels, Capping Beam Cell 2 Partial and Cell 3 - West, Stiffening Columns & Struts, Excavation Phase 1,2,3
- South Portal Cell 1 Base Slab Concrete Works
- Assembly of the Tunnel Boring Machine (TBM) in the launching pit
- TBM drive in High Occupancy Toll (HOT) Tunnel
- TBM U-turn
- TBM drive in General Purpose (GP) Tunnel
- TBM Disassembly
- South Portal Cut and Cover Structures Phase 4 Cell 1
- South Portal MEP
- GP Tunnel Testing and Acceptance
- Commissioning and Testing of all Systems (Roadway, Bridges, Structures, Tunnels)
- 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 critical or near critical, meaning there is less than one month of float in the Schedule Update 23:

- South and North Trestle Doka cap platform Procurement
- South MOT EB and WB Temporary Trestle Procurement
- North EB Trestle Pile Caps, Girders Procurement North WB Temporary Trestle N2
- South Trestle Utilities
- South EB MOT Trestle
- South WB MOT Trestle
- North EB Trestle
- North WB Trestle
- South Site Tower Crane Foundation and Installation
- South Portal Launching Pit Panels
- South Portal Launching Pit Capping Beams Cell 1 North, Cell 3 South, Cell 1,2,3 – East
- South Portal Launching Pit Dewatering

3. Project Budget

3.1 Overall Budget

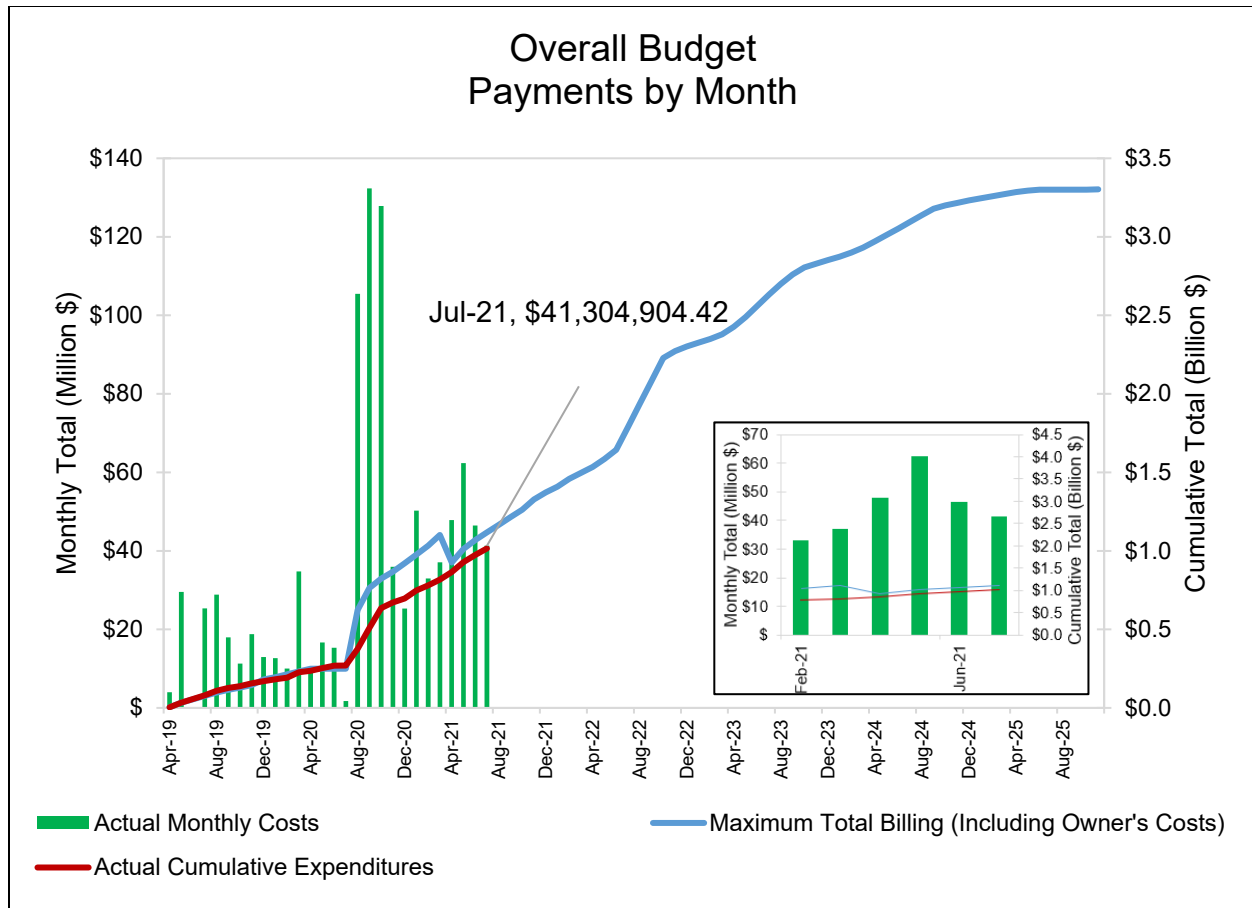
The overall budget outlined in this report is based on the terms and conditions of Article 3 (Project Funding) in the Project Agreement for Funding and Administration (PAFA). The cost curve is based on Exhibit 6 of the Comprehensive Agreement (monthly maximum cumulative compensation amount).

Note - The following payment is pending for the preliminary July 2021 payment application.

	Amount this Period:	Total to Date:	Original Total Budget:	Total Remaining Budget:	Percent To-date:
<u>Comprehensive Agreement</u>					
Construction	\$39,334,175.36	\$964,806,274.91	\$3,299,997,227.00	\$2,335,190,952.09	29.24%

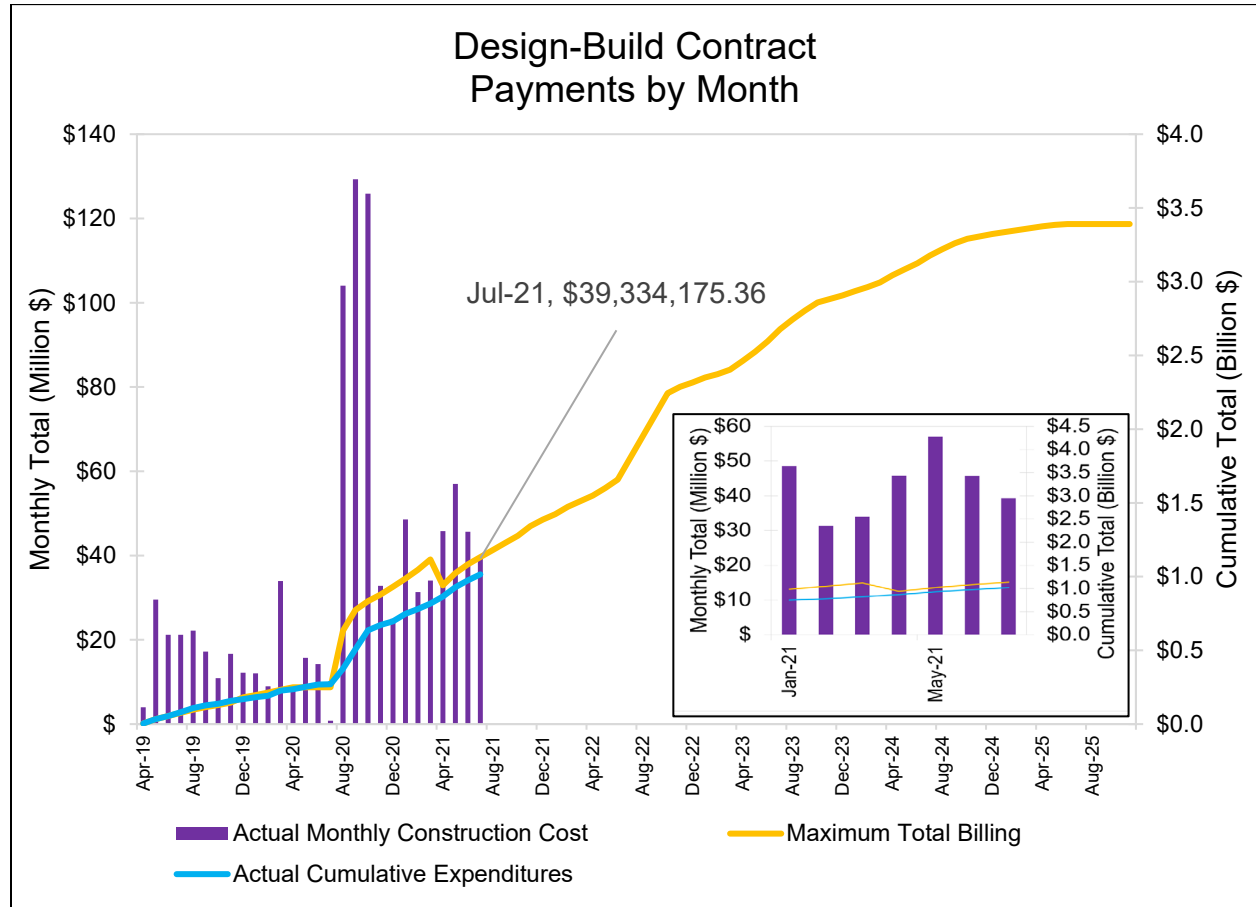
Note - The following are the administration, right of way, no-excuses incentive, and contingency costs paid through the May 2021 payment application.

<u>Owner Costs</u>					
Administration	\$1,958,651.03	\$31,790,150.84	\$122,000,000.00	\$90,209,849.16	26.06%
Right of Way	\$12,078.03	\$6,504,255.97	\$15,000,000.00	\$8,495,744.03	43.36%
No-Excuses Incentive	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
Contingency	\$0.00	\$7,838,333.76	\$335,000,000.00	\$327,161,666.24	2.34%
<u>Total</u>	\$41,304,904.42	\$1,010,939,015.48	\$3,861,997,227.00	\$2,851,058,211.52	26.18%



3.2 Design-Build Contract Cost Status

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



3.3 Budget by Funding Source

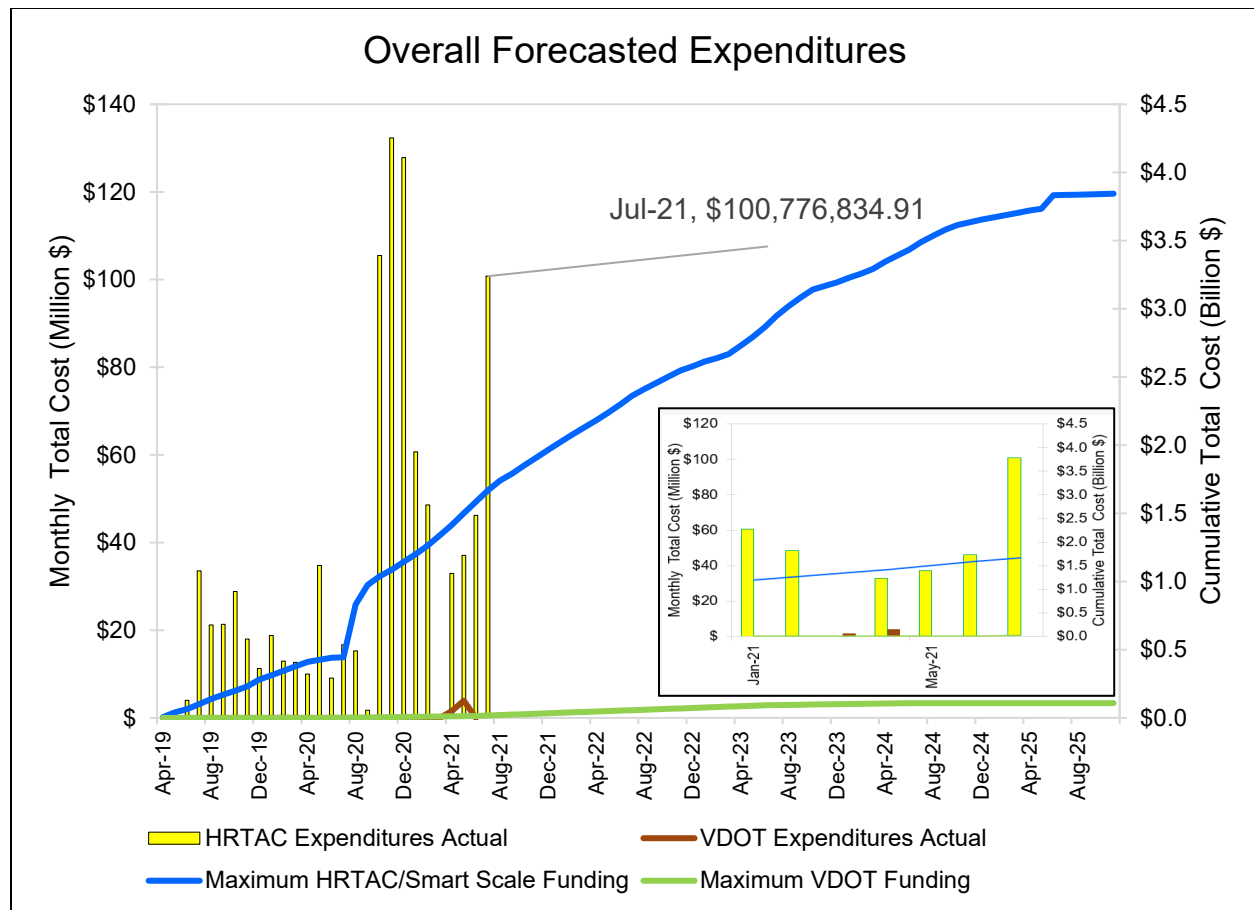
The budget for expenditures by funding source is based on the terms and conditions of Article 3 (Project Funding) and Exhibit 5 of the PAFA. This section outlines planned expenditures of both HRTAC and VDOT funds. The cost curve has been developed based on the monthly maximum cumulative compensation amount in the Comprehensive Agreement and will be updated as HRCF refines its design, construction means-and-methods, activity sequences, and project resourcing. Amounts this period reflect amounts paid for Construction, Engineering, Administration, Right of Way, and Contingency between June 20, 2021 – July 24, 2021.

3.3.1 HRTAC and Smart Scale

	Amount Spent this Period:	Total Spent to Date:	Original Total Budget Including Smart Scale:	Total Remaining Budget:	Percent Spent To-date:
<u>Comprehensive Agreement</u>					
<i>Construction</i>	\$98,938,893.45	\$924,152,522.89	\$3,204,569,251.00	\$2,280,416,728.11	28.84%
<u>Owner Costs</u>					
<i>Administration</i>	\$1,830,941.32	\$29,225,489.80	\$118,472,054.00	\$89,246,564.20	24.67%
<i>Right of Way</i>	\$7,000.14	\$6,487,063.04	\$15,000,000.00	\$8,512,936.96	43.25%
<i>No-Excuses Incentive</i>	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
<i>Contingency</i>	\$0.00	\$4,143,414.76	\$325,428,277.00	\$321,284,862.24	1.27%
<u>Total</u>	\$100,776,834.91	\$964,008,490.49	\$3,753,469,581.00	\$2,789,461,091.51	25.68%

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>	\$337,175.41	\$3,992,203.26	\$95,427,976.00	\$91,435,772.74	4.18%
<u>Owner Costs</u>					
<i>Administration</i>	\$1,067.00	\$624,581.00	\$3,527,946.00	\$2,903,365.00	17.70%
<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>	\$0.00	\$0.00	\$9,571,724.00	\$9,571,724.00	0.00%
<u>Total</u>	\$338,242.41	\$4,616,784.26	\$108,527,646.00	\$103,910,861.74	4.25%



3.4 Contingency

Contract Changes

	Description	Date	Value	Time
CO-1	Department'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	\$ 73,454,313.00	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-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-43	Hybrid Trestle Beam Design	7/2/2021	\$ -	0 days
CO-45	HRCP Project Executive/Representative Change	5/24/2021	\$ -	0 days
CO-49	HRCP Senior Representative Change	7/2/2021	\$ -	0 days
TOTAL			\$ 17,244,947.14	0 days

Material Price Adjustments

- No new activities.

Miscellaneous

- No new activities.

4. Environmental

HRCP has completed or is performing several compliance tasks included in permit conditions:

Permits - HRCP received approval of permit modification #4 on July 9, 2021 from the Corps of Engineers. The modification package did not require action from the Virginia Marine Resources Commission or Department of Environmental Quality. HRCP submitted permit modification #5 on June 23, 2021 and is awaiting approval from the agencies.

Noise Monitoring - HRCP completed the final noise report and the Cultural Resources Technical Memorandum. The final noise report is being reviewed by FHWA and the Virginia Department of Historic Resources is reviewing the Cultural Resources Technical Memorandum. HRCP's Health and Safety Team continue to conduct noise monitoring for construction activities, with a focus on the Hampton and Norfolk shorelines that are adjacent to ongoing marine construction work.

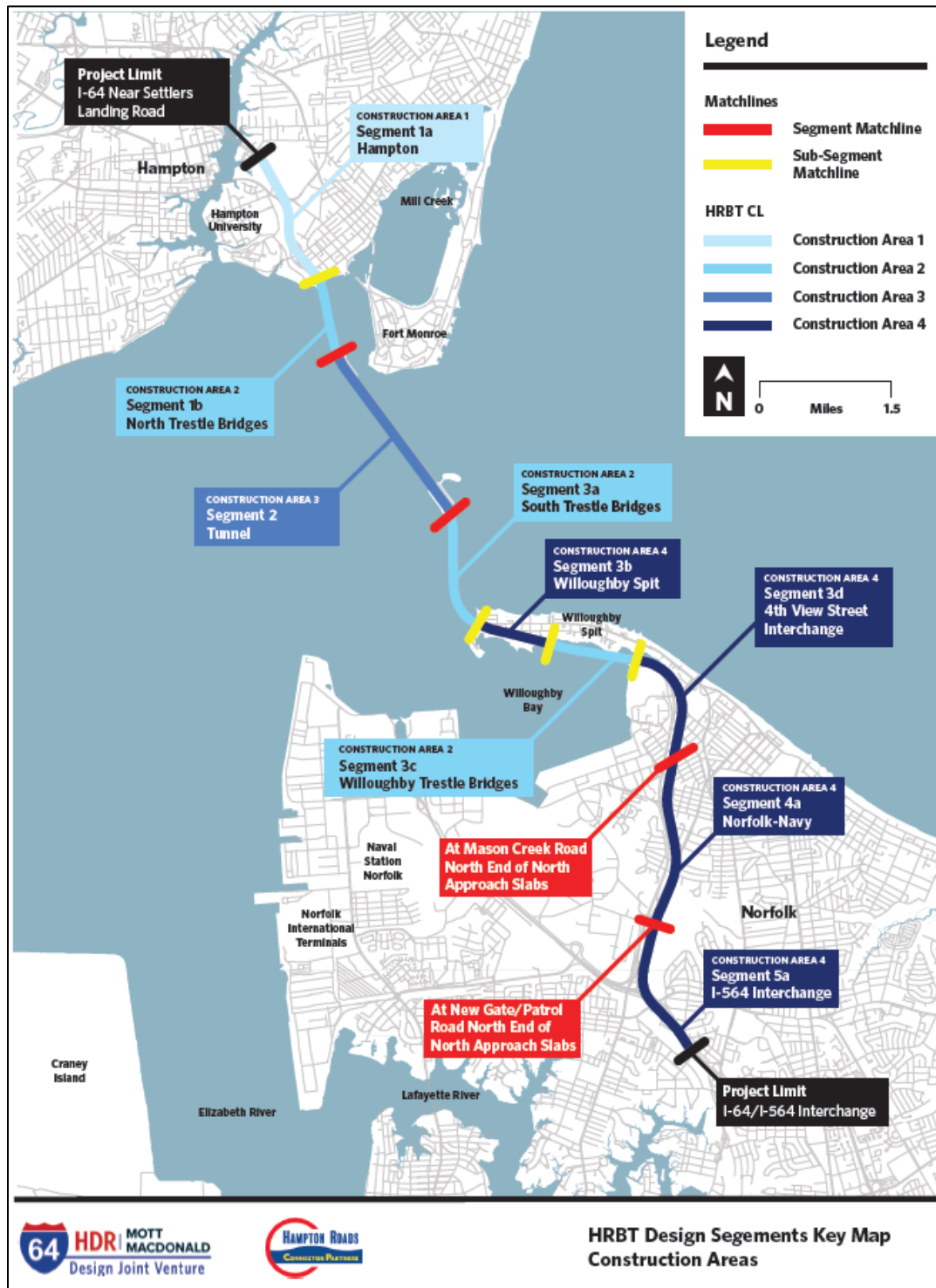
NOAA/Proposed Rule - On July 10, 2021 the NOAA IHA expired and all remaining IHA items yet to be installed are being covered by the recently approved LOA. On June 2, 2021 HRCP sent VDOT a summary of phone discussions with NOAA indicating that NOAA agreed that the LOA could be utilized to cover remaining IHA and LOA activities.

Bird Mitigation - HRCP continued the use of dogs to encourage birds to nest away from the project site. Also, maintenance of passive measures continues on the South Island, including wire coils, spikes, and grid wires with mylar flagging.

Archeological Discoveries - On July 19 and 20, 2021, cannonballs were encountered by the South Island hydromill operations and capping beam construction. Work was briefly stopped while the cannonballs were recovered by State and Federal Unexploded Ordnance (UXO) teams. Coordination with the Department of Historic Resources is occurring to determine the eligibility status of these items. Previous cannonballs from the island fill were determined to be ineligible for listing with the National Register of Historic Places (NRHP).

5. Construction

The figure below illustrates the project limits and the four construction areas throughout the project identified by HRCP.



5.1 Area 1: Hampton Landside

During the reporting period, HRCP performed the following work in Area 1:

Mallory St - Continued temporary sidewalk work. Completed bridge parapet demolition and installed temporary pedestrian fence.

5.2 Area 2: Marine Work

During the reporting period, HRCP performed the following work in Area 2:

S1 Temporary Construction Trestle - Production was limited due to known obstruction. HRCP continues to assess the obstruction and options for continuing work within the area of conflict.

N2 Temporary Construction Trestle - Continued pile driving operations.

South EB MOT Trestle - HRCP placed concrete for the Abutment A footing and continued pile driving operations.

Permanent EB North Trestle - Continued permanent pile driving operations.

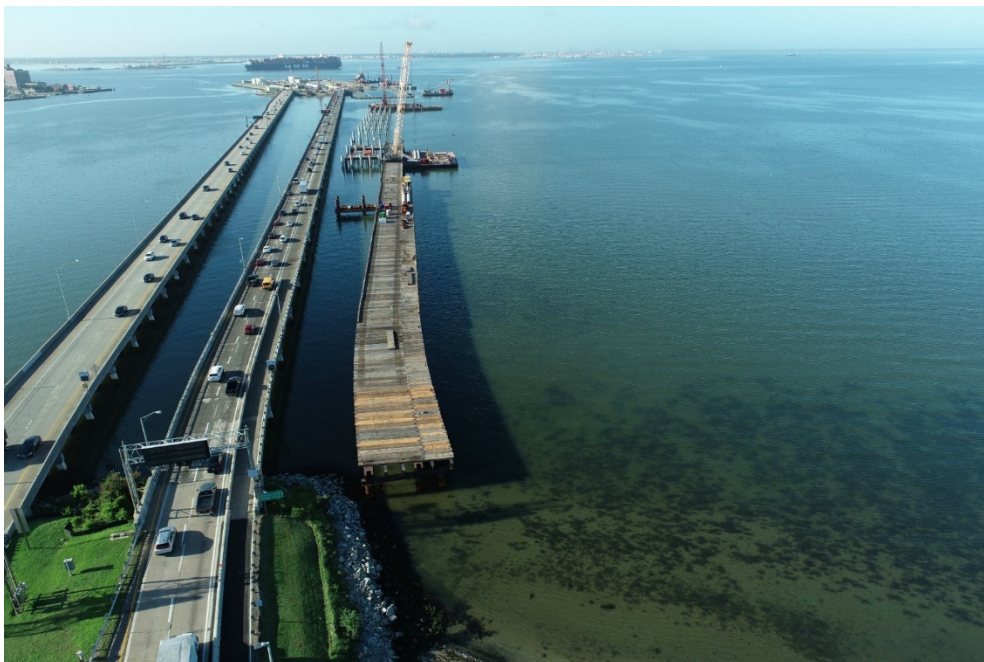
Permanent South Trestle - Continued permanent pile driving operations.

North Island Expansion Work - Continued expansion of the North Island. Multiple crews are working at the north and south area of island fill to place small diameter stone ("bund") to define the perimeter of the expanded island. Layers of progressively larger stone are being placed on the bayside of the smaller stone. HRCP achieved closure of the bund up to elevation 5.0'. Continued placement of soil fill material (6 out of 8 sections complete for phase 1 – bottom of Bay to elevation 5.0'). HRCP began removing armor stone from the west side of the existing North Island in advance of future tunnel and portal work.



◀ **South Trestle**

Pile setting for Bent 51.



◀ **North EB Trestle &
Work Platform**

5.3 Area 3: Tunnels and Islands

During the reporting period, HRCP performed the following work in Area 3:

Slurry Wall Construction - Slurry wall construction continued for the tri-cell TBM launching pit and work started on the tunnel approach rectilinear section slurry walls. As of July 24, 2021, 99 out of 101 slurry wall panels necessary to begin excavation of the South Island TBM Launch Pit are complete. Began construction of the slurry U-Wall panels, 5 out of 45 panels complete.

TBM Conveyor & Quay Installation - Continued work on pile caps and construction of the sliding template.

Ground Improvement Operations - Completed coring operations for the deep soil mixing field trial program. Continued production deep soil mixing and production jet grouting.

Instrumentation and Monitoring (I&M) Installation - Completed installation of piezometers for the I&M program. Continued installation of the dewatering wells. A total of 13 dewatering wells (70%) have been installed to date.

Capping Beams - Began excavation and slurry wall demolition on Cell 2 and Cell 3 for capping beams.

Tower Crane Install - Completed pile driving and began working on tower crane foundation.



◀ South Island

Slurry wall demo in preparation for capping beam at PY-47.



◀ **South Island**
Sliding template
fabrication for quay pile
installation.

5.4 Area 4: Norfolk Landside

During the reporting period, HRCP performed the following work in Area 4:

Evans St Bridge - Began pile driving operations for Evans St EB widening.

4th View - Began initial clearing and erosion and sediment control measures for the area around 4th View.

Bayville Rd - Began initial clearing adjacent to I-64 EB along Bayville Rd between EB exit ramp and Bayville overpass.

Mainline Work - Completed temporary median shoulder widening along I-64 in segments 3 and 4.

Willoughby Bay EB Temporary Work Trestle - Mobilized equipment and began construction. Also began pile driving for EB widening.

Oastes Creek Temporary Work Trestle - Completed construction to provide access for bridge-widening work. Began pile driving for EB widening.

Bay Ave Bridge - Completed installing barrier wall on the EB on-ramp. Completed fill operation at the East Abutment.



◀ **Mainline Work in Norfolk**
I-64 Temporary Widening.



◀ **Evans St Bridge**
Installation of cofferdam for pile foundation.

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:

Shoulder Work & Maintenance - Conducted maintenance of survey equipment used for tunnel baseline I&M, installation of I&M equipment, shoulder strengthening/leveling, median drainage work, corridor surveying, and routine maintenance activities.

Long Term Lane Closures - Continued on Bay Avenue in Norfolk to facilitate access to a staging area for the widening of the Oastes Creek Bridge. A center turn lane closure was also implemented at the Mallory St Bridge.

Hampton Lane Shifts - HRCP completed additional barrier wall installation in both directions along I-64.

Norfolk Lane Shifts - Conducted Phase 1 MOT traffic shifts and restriped pavement in preparation for barrier wall installation.

Mallory St Bridge - Continued initial works to support the Mallory Street Bridge replacement, including upgrades for temporary pedestrian detours, ramp shoulder strengthening, resetting of guardrail, and interstate lane closures to support parapet demolition and pedestrian fence installation. Also performed switchover to temporary traffic signal.

Detours - Continued long term detour at West Evans St. to facilitate bridge widening. Also continued temporary detours on the West Bay Ave on-ramp for bridge widening work.

Hurricane Preparations - Monitored HRCP's preparation and response to tropical storm Elsa.

VSP Work Zone Support - Implemented fulltime VSP support throughout the project corridor. These officers will provide rapid response to incidents and work zone speed enforcement.

Power Switchover - Performed a low voltage power switchover on the North Island to eliminate conflicts with the upcoming MOT trestle.

Routine Management - HRCP performed routine incident management and maintenance operations within the corridor. VDOT continues to monitor HRCP's performance with respect to the approved maintenance management plan.

7. Quality

Quality updates for this reporting period include:

Construction Quality Management Plan (CQMP) Updates - VDOT reviews these updates as part of final “Released for Construction” (RFC) design packages. There were 14 updates reviewed this period. The CQMP updates include specific testing and inspection plans for the work shown in the corresponding RFC plans and a staffing matrix showing quality assurance and quality control staffing for the work.

IA Testing Activities - VDOT continues to monitor HRCP’s QA and QC material testing. VDOT has also performed Independent Testing and Verification Testing on materials per the frequency of testing requirements and coordinates with VDOT Materials Department for shop inspections as required.

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.

Quarterly Updates of Quality Plans - HRCP submitted the quarterly updates of the Quality Management System Plan, Construction Management Quality Plan, and the Design Quality Management Plan for the second quarter of 2021. VDOT is currently reviewing the updates.

Tunnel Quality Plan - HRCP submitted an update to their Tunnel Quality Plan on June 30, 2021. VDOT reviewed the update and met with HRCP on July 15, 2021 to discuss comments. The focus of the plan is the quality procedures needed to begin precast production of the tunnel lining segments. This production is scheduled to begin in September 2021.

Material Book Records - HRCP completed the update of the material book records in response to VDOT’s first audit of the material notebook and has submitted those records with the appropriate signatures. VDOT has closed this audit. HRCP has also submitted the records for the next three volumes of material notebooks. VDOT has audited those books and HRCP is responding to the audit comments. VDOT also conducted a monthly review of the current records.

Routine Quality Activities - Conducted reviews of deficiencies and nonconformance reports (NCRs) and coordinated with the resident engineers for acceptance of root causes and dispositions of deficiencies. Conducted reviews of QA and QC records for accuracy and quality issues. Coordinated documentation reviews through VDOT’s Material Department.

8. Safety

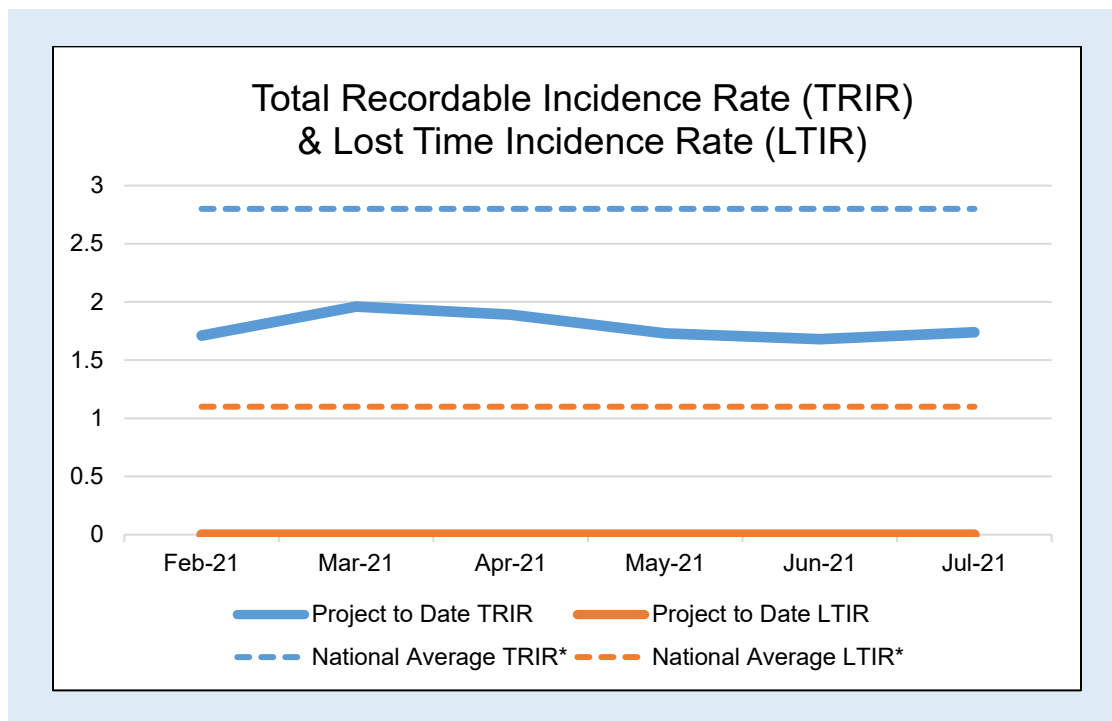
Safety procedures and activities during this reporting period include:

COVID-19 Policies - Pursuant to guidelines and recommendations received from the Commonwealth of Virginia, the mask mandate has been lifted for vaccinated personnel. New procedures also allow for in-person meetings. HRCP and VDOT are monitoring these new policies.

Safety Site Visits - VDOT continued to conduct routine site visits to promote safe work zones.

Additional Safety Measures - With work progressing on the marine side of the project, HRCP and VDOT accompanied fire departments from the City of Norfolk and the City of Hampton, along with the United States Coast Guard, on a site visit and conducted scenarios on crew boats to barges for possible rescue missions, should a major event occur. Both fire departments and the United States Coast Guard used their own boats to ensure navigation around barges could be accomplished safely. Departments will meet with HRCP to discuss findings and make improvements for rescue purposes.

Safety Performance Indicators - The following safety performance indicator information is provided by HRCP and is current as of July 31, 2021. HRCP is performing better than the national averages.



**National averages are from the Bureau of Labor Statistics, US Department of Labor – 2019 Data for Construction Industry, Published November 4, 2020.*

9. Civil Rights & DBE/SWaM Business Opportunities

To date, the Design-Builder awarded **246** subcontracts, subconsultant agreements and purchase orders. No additional agreements were awarded during this period for certified DBE/SWaM certified firms. There was a slight increase in contract awards for a total of **\$333 million** due to change orders issued to active DBE/SWaM firms on the project.

Compliance Activities

- VDOT-HRBT Civil Rights Compliance Team met on July 20, 2021, to discuss civil rights compliance matters on the project. Representatives from FHWA attended the monthly meeting and have been active participants. FHWA VA Division Office has been interested in assessing prompt payment compliance. Discussions also included ensuring compliance with Davis-Bacon Act requirements for the submission of certified payrolls and the reporting of fringe benefits for certain work classifications.
- During the reporting period, the Design-Builder submitted the *2nd Quarter Good Faith Effort Report for 2021*. The report reflects HRCP's demonstrated commitment towards meeting or exceeding the 12% Disadvantaged Business Enterprise (DBE) and 20% Small, Women and Minority (SWaM) business participation goals. This quarterly report provides an account of the initiatives, actions, and events of HRCP and its partners. In addition, the Design-Builder submitted the *DBE/SWaM Utilization Plan, Workforce Participation Plan, and the On-the-Job Training Plan* in accordance with the Comprehensive Agreement, which are assessed by VDOT for compliance.

Workforce Development Activities:

- HRCP launched its latest workforce and community engagement platform, SkillSmart, for DBE/SWaM and Workforce Compliance reporting. All HRCP contractors are required to utilize the new and innovative application for greater efficiency in collecting and reporting all tiers of subcontractor data, tracking employee hours and pay rates, along with a custom dashboard for easy metric monitoring. The first virtual training and onboarding session was held on July 15 for firms to become familiar with the system.
- HRCP continued to make progress towards its 80 person On-the-Job Training (OJT) contract goal. To date; two (2) graduates, six (6) active participants, and four (4) candidates currently under review by VDOT.
- HRCP continued to promote its "Community First" Initiative, while launching a major Hiring Campaign on July 12, 2021, to promote and accelerate recruitment efforts. It launched a new jobs website (www.HRCPJobs.com). The next phase will include the release of a series of announcements that will air on WAVY TV 10 and FOX 43. The third phase will include 5-minute segments aired on The Hampton Roads Show later in July through early August showcasing HRCP at work on the project and available employment opportunities.

Business Development Activities:

- VDOT and HRCP continued to work closely with other community partners to produce and participate in multiple outreach events focused on attracting, connecting, and contacting minority, women, small and disadvantaged businesses for participating in the project.
- VDOT hosted its Annual DBE Symposium on June 29, 2021. This year's theme was "The Future is Now" and was held virtually with the primary goal of bringing DBE and other stakeholders together with the purpose of sharing knowledge and experience of subject matter experts in the transportation industry. HRCP and VDOT Hampton Roads District participated in the matchmaking session. VDOT's Chief Deputy Commissioner Rob Cary presented HRCP with this year's *Prime Contractor of the Year Award*, which was highlighted by several local media outlets.

Two other DBE firms affiliated with the HRBT project received awards during the recognition program:

- CES Consulting, *DBE Consultant of the Year*
- Andre Gilliam of Metals of Distinction, *DBE Trailblazer Award*



Pictured Above (Top to Bottom)

Rob Cary, Chief Deputy Commissioner; Sandra Norman, Civil Rights Division Administrator; Darren Brown, Civil Rights Assistant Division Administrator; Juan Miguel Perez, HRCP Project Executive

10. Public Outreach & Media

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

Public Outreach

- June 22, 2021 - HRBT Expansion Project Team presented to The Chamberlin Residents
- June 25, 2021 - Bi-weekly HRBT Expansion Project Team meeting with the Cities of Hampton and Norfolk
- July 5, 2021 - HRBT Expansion Project Team released the July HRBT Tunnel Talk: [Summer Construction](#)
- July 9, 2021 - Bi-weekly HRBT Expansion Project Team Meeting with the Cities of Hampton and Norfolk
- July 13, 2021 - HRBT Expansion Project Team sent the [June/July 2021 Newsletter](#)
- July 15, 2021 - HRBT Expansion Project Team presented to Norfolk Collegiate STEM Students
- July 15, 2021 - HRBT Expansion Project Team sent the [Summer 2021 Magazine](#)
- July 20, 2021 - HRBT Expansion Project Team presented to An Achievable Dream Middle School and High School (Grades 7 and 8)
- July 22, 2021 - HRBT Expansion Project Team provided a project progress update to Hampton University
- July 23, 2021 - Bi-weekly HRBT Expansion Project Team Meeting with the Cities of Hampton and Norfolk

Media

- June 30, 2021 - Tunnel Business Magazine: [Metalliance Transports Bound for Hampton Roads Tunnel Project](#)
- July 1, 2021 - Tunnel Business Magazine: [Hampton Roads Connector Partners Earns VDOT Award](#)
- July 1, 2021 - WAVY: [Hampton Roads Connector Partners Earns VDOT Award](#)

- July 6, 2021 - WTKR: [Project Widens Lanes, Awaiting Machine to Build Tunnel: The Latest on the HRBT Expansion Project](#)
- July 8, 2021 - WY Daily: [VDOT Issues Guidance for Safety During HRBT Expansion Project](#)
- July 17, 2021 - WYDaily: [On The Road: This Week's Road Closures \(July 17, 2021\)](#)

Visit our website to view more information:
www.hrbtexpansion.org