



February 2021 Monthly Project Report

I-64 HAMPTON ROADS BRIDGE-TUNNEL EXPANSION

Report 23

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	7
3. Project Budget	8
3.1 Overall Budget.....	8
3.2 Design-Build Contract Cost Status	9
3.3 Budget by Funding Source	9
3.4 Contingency.....	11
4. Environmental	13
5. Construction.....	14
5.1 Area 1: Hampton Landside.....	15
5.2 Area 2: Marine Work.....	15
5.3 Area 3: Tunnels and Islands.....	16
5.4 Area 4: Norfolk Landside	20
6. Operations.....	21
7. Quality.....	22
8. Safety.....	23
9. Civil Rights & DBE/SWaM Business Opportunities	24
10. Public Outreach & Media.....	26

Issue Date: March 12, 2021

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 January 24, 2021 – February 20, 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 25% of the project construction plans Released for Construction (RFC).
- Active construction operations were initiated landside in the City of Norfolk.
- At the South Island, 63 out of 94 Tricell and Bore Proximity Starter slurry-wall panels have been completed to date.
- North Island Expansion activities continue with placement of the rock establishing the perimeter bund.
- HRCP received the Virginia Pollutant Discharge Elimination System (VPDES) Industrial Minor Permit and the VPDES Watershed General Permit.
- HRCP enrolled two candidates in the On-the-Job Training (OJT) Program as equipment operator classifications.
- VDOT and HRCP held a Construction Virtual Open House with 522 attendees.
- HRCP opened discussions with Hampton University concerning a requested Temporary Construction Easement in the Strawberry Banks area.

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 remains on track to achieve Substantial Completion in advance of the contract milestone of September 1, 2025.
- HRCP remains on track to achieve Final Completion in advance of the contract milestone of November 1, 2025.
- Approximately 26% of the estimated scheduled time has progressed to date.

Project Budget

Updates through the February 2021 payment application, including pending payment:

- Project budget overview:

Original total project budget:	\$ 3,861,997,227
Total expenditures to date:	\$ 779,919,104
Remaining project budget:	\$ 3,082,241,537

- Design-build contract overview:

Design-build contract original amount:	\$ 3,299,997,227
Net change orders:	\$ 11,784,675
Exercised options:	\$ 73,454,414
Design-build contract sum to date:	\$ 3,385,236,316
Expenditures to date:	\$ 746,818,751
Remaining design-build contract amount:	\$ 2,638,417,565

- Design-build progress to date:

Overall:	22.01 %
Project Management:	20.09%
Design:	63.86%
Physical Construction Progress:	7.4%

Environmental

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

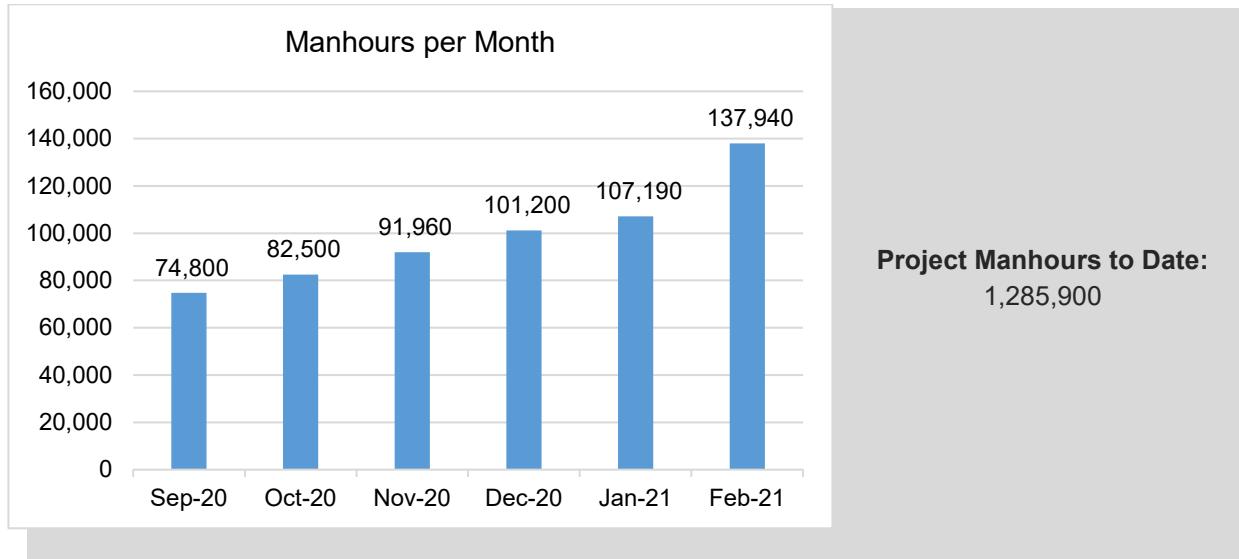
- The Department of Environmental Quality (DEQ) issued the Virginia Pollutant Discharge Elimination General Permit.
- HRCP sent a second round of sound wall surveys and included approximately 62 recipients that were missed during the first mailout.
- HRCP's Health and Safety Team began conducting noise monitoring for construction activities, including both landside and waterside construction work.
- VDOT received a formal response from the Virginia Department of Historic Resources (DHR) concerning the timbers found during dredging near Hampton. Marine work activities have resumed in the area and the project team is working to address the additional assessment requested by DHR.
- HRCP has begun to restore and install measures to discourage birds from using the South Island, including wire grid over recycled asphalt.

Construction

Progress updates for this reporting period include:

- Hampton Landside
 - No construction activity during this period.
- Marine Works
 - Continued construction of the N1 temporary construction trestle to be used to build the new permanent North Trestle.
 - Completed the Test Pile Program for the South Trestle and began the work for the Willoughby Bay structures.
 - Began construction of the Settlement Mitigation Cut-off Wall on the North Island.
 - Continued placement of bund material for expansion of the North Island.
- Islands and Tunnels
 - 63 out of 94 Tricell and Bore Proximity Starter slurry-wall panels completed to date on the South Island.
 - Ongoing installation of the conveyor piles at the South Island.
 - Ongoing construction for the temporary substation on the South Island to power the tunnel boring machine.
 - Mobilization continued for the jet grout mixing plant on the South Island.
 - Began operation for the continuous flight auger pile cut-off wall operation on the North Island.
 - Began work on the drainage and outfall system for the North Island.
- Norfolk Landside
 - Continued tree clearing and grading near Patrol Road and Oastes Creek.
 - Mobilized crane to Bay Avenue for temporary work trestle.

The number of construction manhours worked continues to increase each month across the Project. The following data is provided by HRCP and is current as of February 28, 2021:



- Tunnel Boring Machine (TBM) Progress as of February 2021:
 - TBM Design-----100%
 - Manufacturing of Components-----99%
 - Final Assembly for Factory Tests-----56%

Operations

The following operations activities took place during this reporting period:

- HRCP continued to coordinate the North Island power outages to complete the switchover of the relocated medium voltage power.
- Continued installation of the temporary TBM power at the Norfolk shore to connect to Dominion service.
- Continued installation of instrumentation and monitoring across the project to establish baselines in advance of tunnel boring and bridge construction.

Quality

Quality updates for this reporting period include:

- VDOT reviewed 23 Construction Quality Management Plan (CQMP) updates this period.
- HRCP conducted 3 Preparatory Meetings during this reporting period.
- VDOT continued coordination with HRCP's tunnel group to define the Tunnel Quality Control Plan.
- VDOT continues to track Owner's Independent Assurance (OIA) and Owner's Verification Sampling and Testing (OVST) and conduct the testing as needed.
- VDOT continues to monitor HRCP's material book records for compliance.

Safety

Safety procedures and activities during this reporting period include:

- Updated COVID-19 policy to reflect current guidelines with the CDC.
- VDOT conducted 18 safety site visits out of the 20 work days in this period. Minor safety deficiencies were noted and corrected.
- Performed Man Overboard training with barge crews.
- Special work group meetings were also held with the City of Norfolk and the City of Hampton to address safety concerns and questions.
- The following safety performance indicator information is provided by HRCP and is current as of February 28, 2021. HRCP is performing better than the national averages.
 - Total Recordable Incidence Rate: 1.71 (National Average: 2.8)
 - Lost Time Incidence Rate: 0.00 (National Average: 1.1)

Civil Rights & DBE/SWaM Business Opportunities

As of this reporting period, HRCP has awarded a total of **201** subcontracts, subconsultant agreements, and purchase orders to DBE/SWaM certified firms for a total of **\$115.8 million**, towards a project goal of \$394.5 million.

Civil Rights activities attended, including DBE and SWaM business opportunities, for this reporting period are as follows:

- Conference of Minority Transportation Official (COMTO) Hampton Roads General Membership Meeting
- The Hampton Roads Committee of 200+ Men Inc. General Membership Meeting
- Department of Small Business and Supplier Diversity (SBSD) SWaM Certification Workshop

Public Outreach & Media

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

- HRBT Project Team presented to VDOT Networking: VDOT Projects Keep Virginia Moving
- HRBT Project Leadership presented at the HRBT Stakeholder's Committee Meeting.
- HRBT Project Leadership met with Hampton University Leadership.
- HRCP hosted a Construction Virtual Open House for the Project.
- HRCP provided a technical presentation to ASHE local chapter on slurry walls.
- HRCP presented at the Virginia Career Works Virtual Hiring Event.
- HRBT Project Team presented to the Optima Health Director's Meeting.
- VDOT Leadership presented to the Virginia Peninsula Chamber's LEAD program.
- HRBT Project Team presented to the Kiwanis Club of Norfolk.
- Smithfield Times article published.
- WAVY-TV update on the Project released.
- COVA Biz Magazine article published.
- American DBE Magazine article published.

2. Project Schedule

2.1 Schedule Status

The following table depicts key milestone dates outlined in the contract requirements. This table will be updated to reflect these dates and used as a benchmark to track milestone achievements and has been updated as of the current approved schedule. The dates below are still reflective of the most recent approved schedule update, which is Schedule of Record Update 17 version 2.

Key Dates	Contract Requirement	Schedule of Record Dates	December 2020 Update	Actual
LNTP1		April 12, 2019	April 12, 2019	April 12, 2019
LNTP1 Completion Milestone		September 25, 2019	September 24, 2019	September 24, 2019
LNTP2		September 29, 2019	September 25, 2019	September 25, 2019
LNTP3		October 9, 2019	September 25, 2019	September 25, 2019
NTP		September 9, 2020	September 11, 2020	September 11, 2020
Substantial Completion	September 1, 2025	August 27, 2025	August 23, 2025	
Final Completion	November 1, 2025	November 1, 2025	October 28, 2025	

2.2 Longest Path

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

- South Island Slurry Walls Construction
- Completion of South Portal Launching Pit
- Assembly of the Tunnel Boring Machine (TBM) in the launching pit
- TBM drive in High Occupancy Toll (HOT) Tunnel
- U-turn then drive in General Purpose (GP) Tunnel
- Finishing works and Mechanical, Electrical and Plumbing (MEP) works
- System operation integration of New and Existing Systems

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 Baseline Schedule:

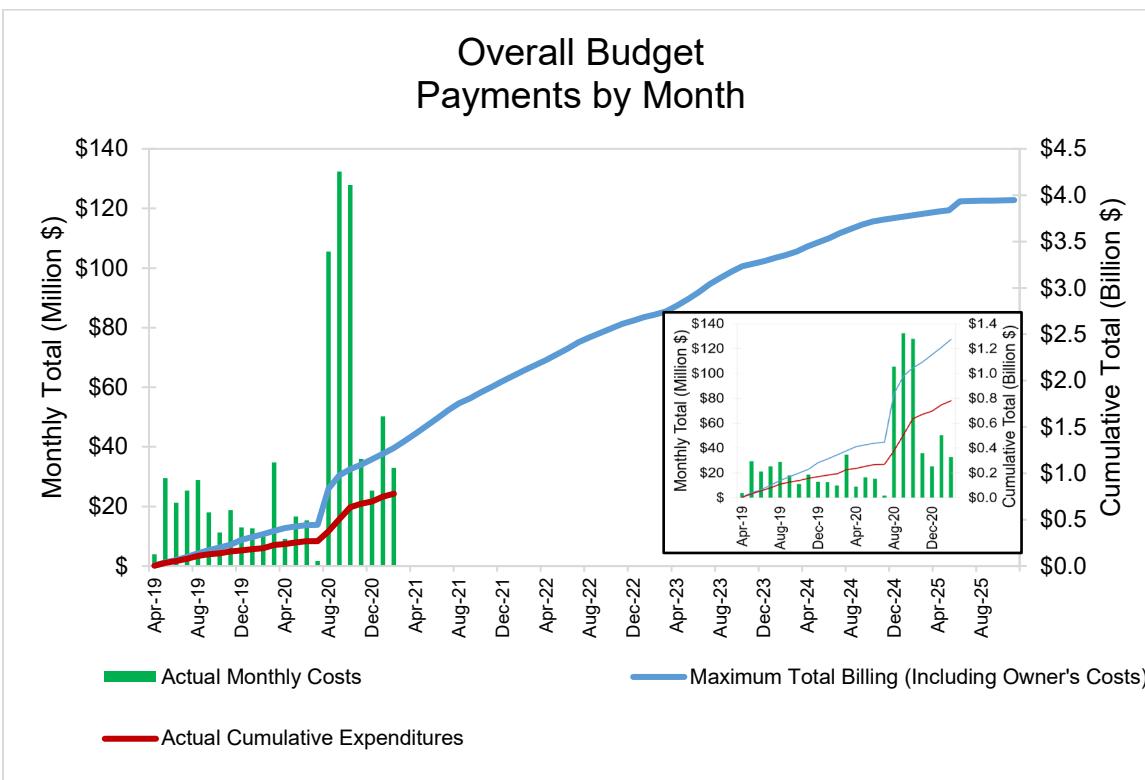
- South Portal Ground Improvement Procurement
- North Island Expansion
- Procure Tunnel Lining
- Bored Tunnel Design Stage 2
- Utility relocations
- South Trestle MOT Design Stage 2
- North Trestle Structural Material Procurement and Subcontract Execution

3. Project Budget

3.1 Overall Budget

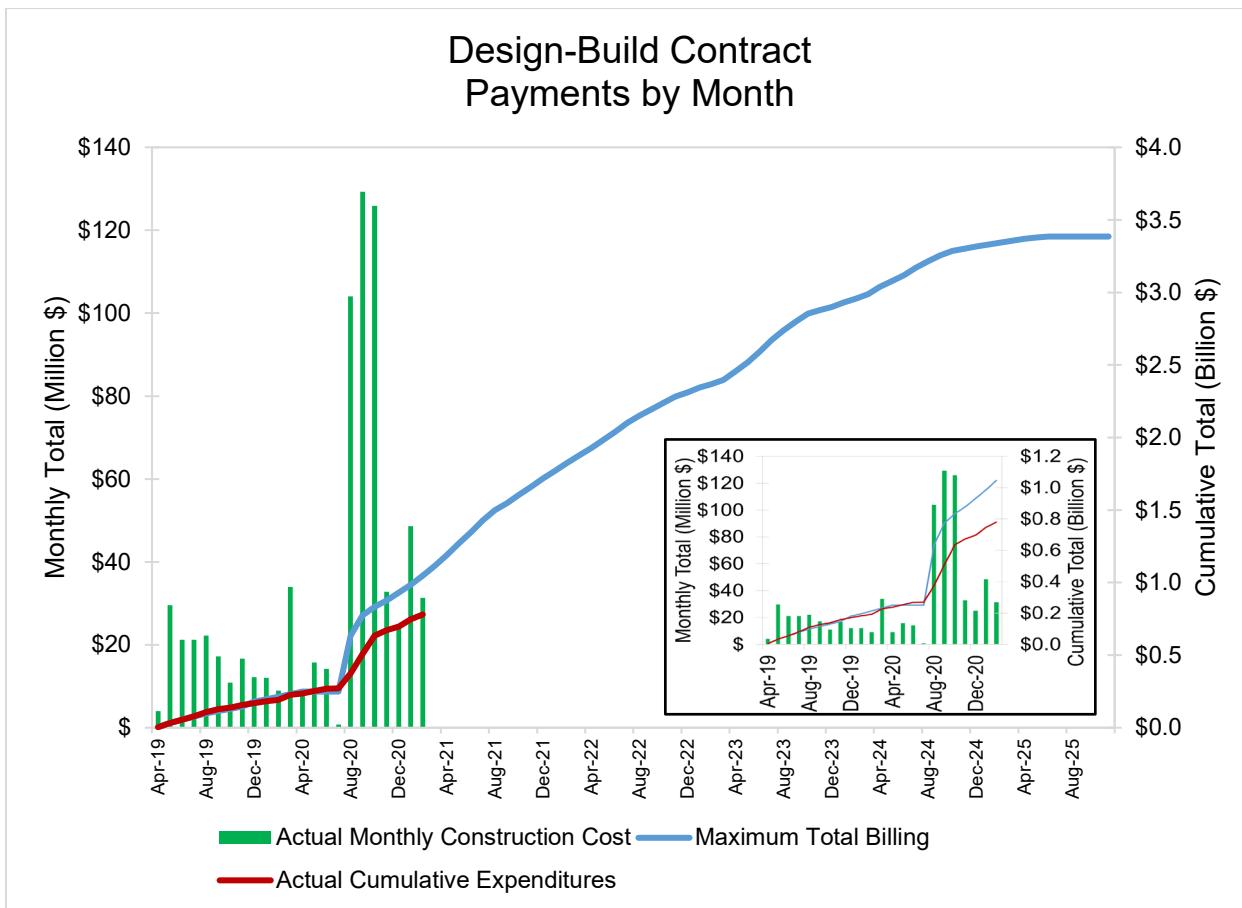
The overall budget outlined in this report is based on the terms and conditions of Article 3 (Project Funding) in the Project Agreement for Funding and Administration (PAFA). The cost curve is based on Exhibit 6 of the Comprehensive Agreement (monthly maximum cumulative compensation amount). Amounts this period reflects payments invoiced for Construction, Engineering Administration, Right of Way, and Contingency between January 24, 2021 – February 20, 2021.

	Amount Invoiced this Period	Total Spent to Date:	Original Total Budget:	Total Remaining Budget:	Percent Spent To-date:
<u>Comprehensive Agreement</u>					
Construction	\$31,323,647.79	\$746,958,574.89	\$3,299,997,227.00	\$2,553,182,066.87	22.63%
<u>Owner Costs</u>					
Administration	\$1,630,593.88	\$22,489,321.63	\$122,000,000.00	\$99,510,678.37	18.43%
Right of Way	\$2,696.50	\$6,471,208.26	\$15,000,000.00	\$8,528,791.74	43.14%
No-Excuses Incentive	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
Contingency	\$0.00	\$4,000,000.00	\$335,000,000.00	\$331,000,000.00	1.19%
Total	\$32,956,938.17	\$779,919,104.78	\$3,861,997,227.00	\$3,082,221,536.98	20.19%



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

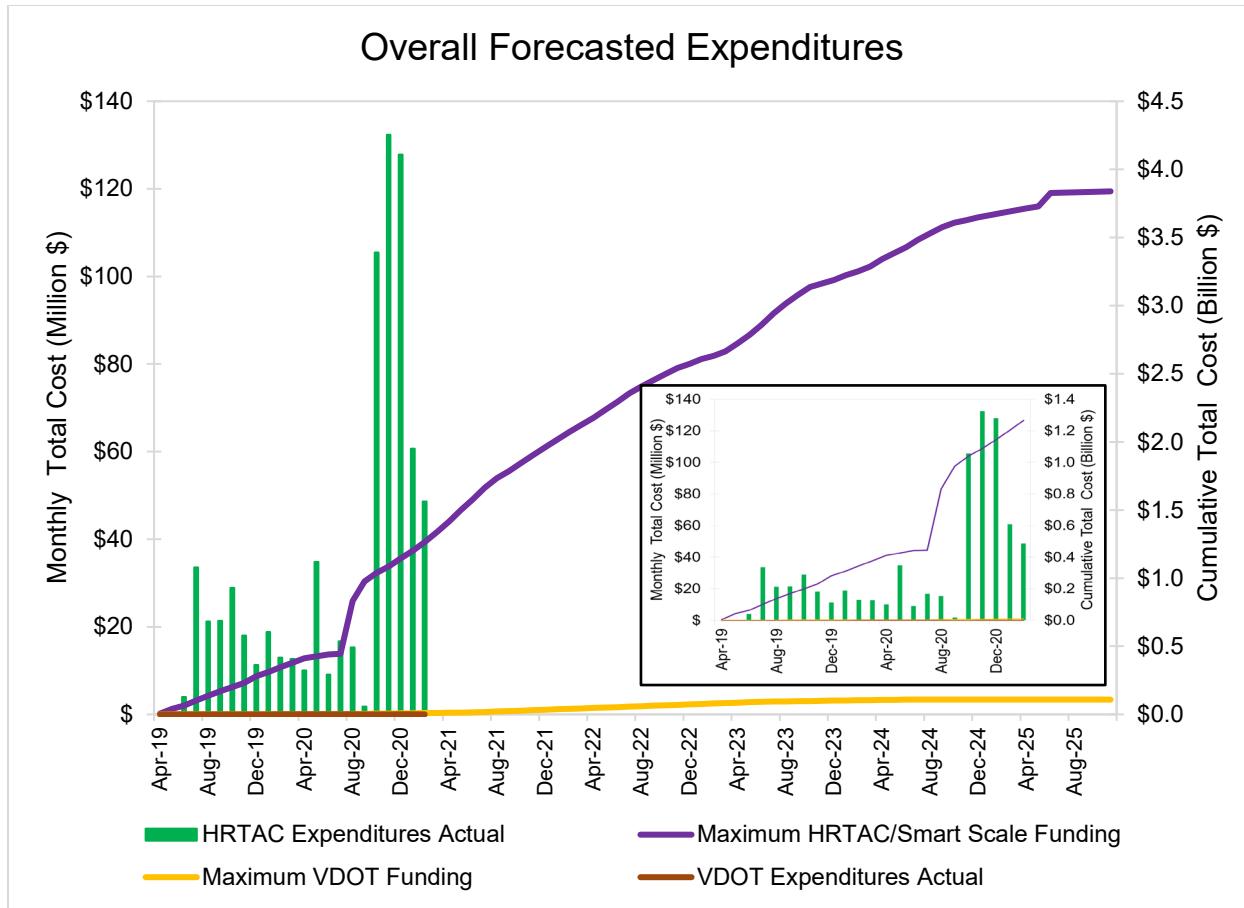
The budget for expenditures by funding source is based on the terms and conditions of Article 3 (Project Funding) and Exhibit 5 of the PAFA. This section outlines planned expenditures of both HRTAC and VDOT funds. The cost curve has been developed based on the monthly maximum cumulative compensation amount in the Comprehensive Agreement and will be updated as HRCP 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 January 24, 2021 – February 20, 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>					
Construction	\$48,590,457.23	\$715,491,512.34	\$3,204,569,251.00	\$2,489,077,738.66	22.33%
Owner Costs					
Administration	\$0.00	\$20,858,727.75	\$118,472,054.00	\$97,613,326.25	17.61%
Right of Way	\$0.00	\$6,468,511.76	\$15,000,000.00	\$8,531,488.24	43.12%
No-Excuses Incentive	\$0.00	\$0.00	\$90,000,000.00	\$90,000,000.00	0.00%
Contingency	\$0.00	\$4,000,000.00	\$325,428,277.00	\$321,428,277.00	1.23%
Total	\$48,590,457.23	\$746,818,751.85	\$3,753,469,582.00	\$3,006,650,830.15	19.90%

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>					
Construction	\$0.00	\$0.00	\$95,427,976.00	\$95,427,976.00	0.00%
Owner Costs					
Administration	\$392.69	\$251,829.65	\$3,527,946.00	\$3,276,116.35	7.14%
Right of Way	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
No-Excuses Incentive	\$0.00	\$0.00	\$0.00	\$0.00	0.00%
Contingency	\$0.00	\$0.00	\$9,571,724.00	\$9,571,724.00	0.00%
Total	\$392.69	\$251,829.65	\$108,527,646.00	\$108,275,816.35	0.23%



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-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-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-30	Willoughby Bay Bridges Fender & Lighting Replacement	2/12/2021	\$ 1,495,000.00	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

Material Price Adjustments

- No Change Orders have been issued to date for adjustments.

Miscellaneous

- Unsuccessful Offeror Payment – executed 5/8/2019 for \$4,000,000.00.

4. Environmental

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

Permits - DEQ issued the Virginia Pollutant Discharge Elimination General Permit for Nutrient Discharge (Nutrient GP), NTGP Permit Number VAN040176, and VPDES Industrial Minor Permit VA0093084, effective February 1, 2021. Currently, HRCP is still operating under the Hampton Roads Sanitation District (HRSD) permit.

Sound Wall Surveys - HRCP sent a second round of sound wall surveys on February 5, 2021, due to receiving fewer responses than required to the initial survey. Surveys were sent to approximately 62 additional recipients that were missed during the first mailouts. The second comment period will end on March 5, 2021.

Noise Monitoring - HRCP continues to coordinate with Virginia Commonwealth University (VCU) to develop and schedule approved underwater acoustic noise monitoring during piledriving.

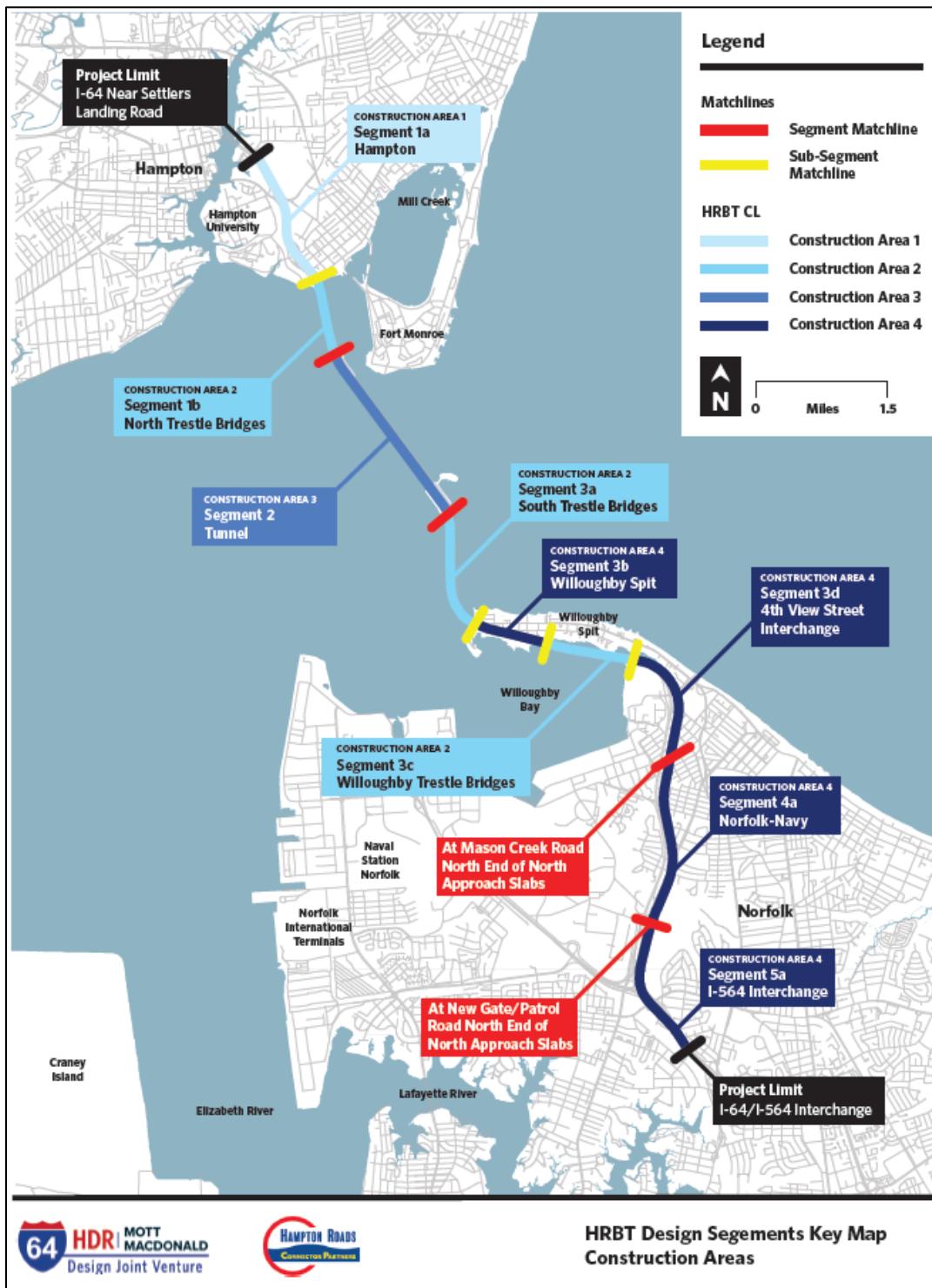
NOAA/Proposed Rule - NOAA published the Proposed Rule for the Letter of Authorization (LOA) in the Federal Register on January 8, 2021, and the public comment period ended on February 8, 2021. No major comments were received, and HRCP has submitted responses to NOAA. NOAA is expected to publish the LOA in the Federal Register in March 2021.

Archeological Assessment - HRCP completed an archeological/historical assessment of timbers found while dredging near the North Island and submitted on January 21, 2021 for VDOT review and coordination with the Department of Historic Resources (DHR). On February 4, 2021, DHR responded that HRCP may resume operations around the North Island where the wooden timbers were discovered. On February 12, 2021, DHR provided additional comments to the Department that request additional documentation and actions.

Bird Mitigation - HRCP has begun to restore and install measures to discourage birds from using the South Island, including wire grid over recycled asphalt.

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

No construction activity during the reporting period. The Commercial Ready-Mix Products (CRMP) batch plant continues to operate and provide concrete for project operations.

5.2 Area 2: Marine Work

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

N1 Temporary Construction Trestle - Continued to drive piles, set beams, and install decking to extend the N1 temporary construction trestle towards the Hampton Shore. A crane was mobilized onto the trestle. This trestle will be used for building the new permanent North Trestle.

Test Pile Program - Completed dynamic and static load tests for the Test Pile Program at the South Trestle. Similar pile tests continue at the Willoughby Bay structures.

North Island Expansion Work - Continued expansion of the North Island. Multiple crews are working at the north and south termini of the work 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.

Willoughby Spit - Began assembly of a crane to be used in construction of a temporary construction trestle that will extend from the south shore of Willoughby Spit to the north to aid in construction of the proposed EB South Trestle.



► Willoughby Spit

Crane Mobilization for Temporary Construction Trestle

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 as well as the bored tunnel proximity walls. Excavation for the walls was accomplished using two hydromill excavators and one clamshell bucket working 24 hours a day. The slurry wall panel reinforcing cages continue to be fabricated on-site and placed utilizing a crawler crane followed by concrete placement. Multiple rebar cages that utilize GFRP (glass fiber) reinforcing were installed during this reporting period including panels at the TBM soft eye. To date, 63 out of 94 Tricell and Bore Proximity Starter slurry wall panels have been completed and 39,600 CY of concrete placed for the South Island slurry walls. Work has also begun on the first Y-panel at the joint between cells in the tri-cell structure.

TBM Quay Install - Installation of support piles continued for the quay (dock); 9 steel pipe pile top sections were spliced on to the previously driven bottom sections in preparation for driving the piles to final grade, to date 9 piles have been driven to final grade and 11 piles are in progress on the west side of the South Island, which will enable delivery of the TBM and tunnel construction materials.

Temporary Substation - Continued construction for the temporary electrical substation on the South Island to power the tunnel boring machine.

Jet Grouting Operation - Continued mobilization for the jet grouting operation for soil treatment along the path of the tunnel, including the assembly of the grout mixing plant. The field trial program for the break-in/break-out jet grout block is scheduled to begin in the coming weeks.

North Island Early Works - Completed early works on the North Island, including permanent electrical duct bank, fiber optic, and septic field relocations.

North Island Cut-Off-Wall Operation - Began installation of Continuous Flight Auger (CFA) piles to mitigate potential settlement induced by the North Island Expansion and potential impacts to the existing eastbound tunnel and approach structure.



◀ **South Island**
Slurry Wall Panel Rebar
Cage Fabrication



◀ **North Island**

Cut-off Wall - CFA Pile Installation



◀ **North Island**

Water Treatment Plant
Slab Pour

Herrenknecht, the TBM manufacturer, reported the following progress in February 2021:



◀ Overview of TBM Assembly

Copyright Herrenknecht

TBM Schedule Milestones:

- TBM Ordered by HRCP-----Feb 2020
- TBM Factory Tests & Acceptance-----May 2021
- Delivery at Project Site-----Fall 2021
- Planned Start of TBM Excavation-----Spring 2022

Progress:

- TBM Design-----100%
- Manufacturing of Components-----99%
- Final Assembly for Factory Tests-----56%

Final Assembly by Component:

- Shield-----75%
- Cutterhead-----0%
- Main Drive-----100%
- Screw Conveyor-----100%
- Erector-----95%
- Systems-----25%
- Man Locks-----0%
- Gantry-----60%



TBM Shield Concept

Copyright Herrenknecht

5.4 Area 4: Norfolk Landside

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

Tree Clearing and Grading for Temporary Access Road - Continued clearing of vegetation and initial grading for temporary access road to Oastes Creek Bridge. Access road will be used for construction of temporary work trestle adjacent to Oastes Creek Bridge.

Crane Mobilization - Mobilized crane to Bay Avenue in preparation for construction of Temporary Work Trestle 2 adjacent to the I-64 eastbound on-ramp.



◀ **Oastes Creek**
Cleared Area Next to
Eastbound Bridge



◀ **Bay Avenue**
Crane Assembled on Site

6. Operations

Operation 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, coordination with first responders, and communication with the Hampton Roads Harbor Tunnels (HRHT) facility. The following operation activities occurred during this reporting period:

Shoulder and Lane Closures - Conducted for maintenance of equipment for tunnel baseline instrumentation and monitoring, installation of North and South Trestle instrumentation and monitoring equipment, and corridor wide clearing and grubbing.

Long Term Lane Closure - Implemented on Bay Avenue in Norfolk to facilitate access to a staging area for the widening of the Oastes Creek Bridge.

Temporary Power for the Tunnel Boring Machine - Installed conduit and cable on the Norfolk Shore to connect from the Dominion service to the previously installed trestle power cables.

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

7. Quality

Quality updates for this reporting period include:

Construction Quality Management Plan (CQMP) Updates - VDOT reviews as part of final “Released for Construction” (RFC) design packages. There were 23 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.

Material Book Records - HRCP continues to update the material book records in response to VDOT’s first audit of the material notebook. VDOT monitored this process and reviewed updated documentation for compliance. VDOT also conducted a monthly review of the current records.

Routine Quality Activities - Ongoing reviews of deficiencies and nonconformance records (NCRs) and coordination with the resident engineers for acceptance of root causes and dispositions of deficiencies, ongoing reviews of QA and QC records for accuracy and quality issues, coordination of documentation reviews by VDOT’s Material Department, and ongoing discussions of quality issues with HRCP’s QA/QC staff.

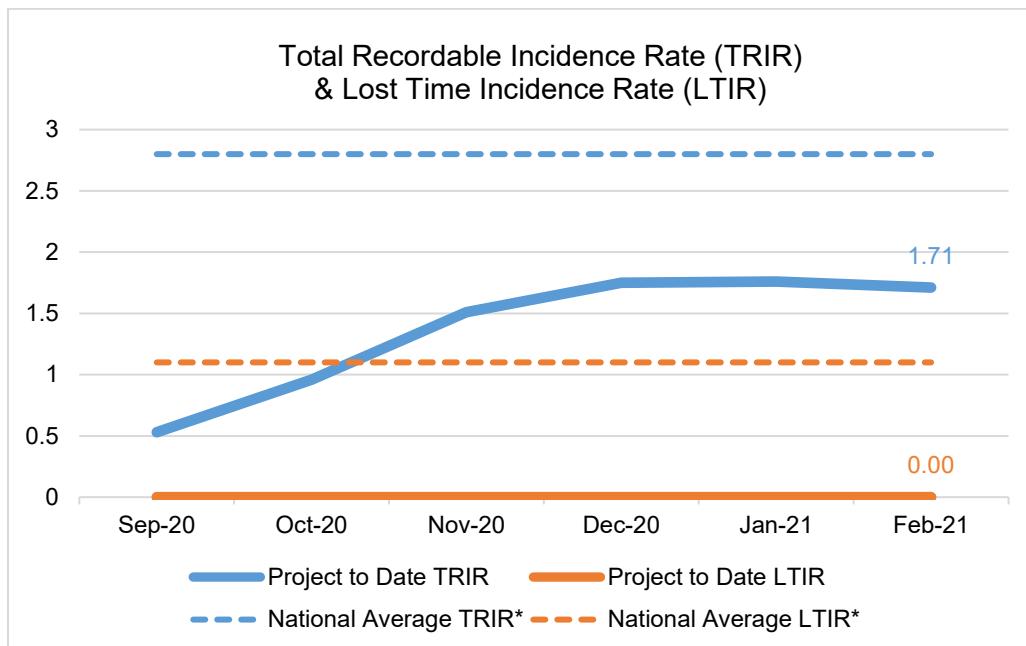
8. Safety

Safety procedures and activities during this reporting period include:

COVID-19 Policies - HRCP and VDOT continue to enforce COVID-19 policies on the job site and at the project office. VDOT and HRCP office staff have returned to divided work schedules of “A” and “B” Teams to limit potential exposure to illness. The COVID-19 policy has been updated to reflect current guidelines from the CDC.

Safety Site Visits - VDOT conducted 18 safety site visits out of the 20 work days in this period. Minor safety deficiencies were noted and corrected. A “Man Overboard” training was conducted with crews working on barges.

Safety Performance Indicators - The following safety performance indicator information is provided by HRCP and is current as of February 28, 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

As of this reporting period, HRCP has awarded a total of **201** subcontracts, subconsultant agreements, and purchase orders to DBE/SWaM certified firms for a total of **\$115.8 million**, towards a project goal of \$394.5 million. Contract awards include those issued to lower-tiered subcontractors. HRCP continues to demonstrate good faith efforts towards achieving the established DBE/SWaM and On-the-Job Training (OJT) contract goals.

Compliance Activities - VDOT HRBT Civil Rights Compliance Work Group continues to meet bi-weekly (January 27 and February 10, 2021) to discuss civil rights, labor, and DBE/EEO matters to best coordinate compliance activities between HRCP and VDOT. HRCP and VDOT Civil Rights Work Group met on February 16, 2021 for the monthly project and compliance update. As the project progresses, the Work Group focused its attention on VDOT's prompt payment provision and a mechanism for tracking data for compliance, which requires all subcontractors to be paid within 7 days after the prime contractor has been paid. There were multiple meetings during this period to discuss compliance, and two potential applications are under consideration for tracking purposes.

Workforce Development Activities - Discussions were held on February 11, 2021 regarding the engagement of Historically Black Colleges & Universities/Minority-Serving Institutions (HBCU/MSI) in promoting employment opportunities on the project for all trades, technical and professional levels. While HRCP graduated its first candidate in the OJT Program, two candidates were enrolled in equipment operator classifications. Due to the unique work being performed on the project, HRCP has identified three new classifications for consideration by VDOT and Virginia Transportation Construction Alliance (VTCA) for inclusion in the OJT Program Manual for Standard Pre-Approved Job Classifications.

Business Development Activities - HRCP and VDOT participated in the kickoff for the second HRBT-hosted Bonding Education Program (BEP) in partnership with the USDOT Small Business Transportation Resource Center (SBTRC) held on January 27, 2021. Fourteen firms are scheduled to participate in the 3-week program. Sessions will include supportive services, banking and financing, bonding and insurance, construction accounting and financial management, project management, prequalification, bidding/estimating, and DBE/EEO contract compliance.

Financial Assistance Guidelines were disseminated during this reporting period to DBE firms on the HRBT Project to learn about grant funding opportunities to grow their businesses. VDOT Business Opportunity Workforce Development Program (BOWD) offers supportive services to assist certified DBEs participating on federal-aid highway construction projects.



BONDING EDUCATION PROGRAM SERIES

An Interactive Virtual Program

SBTRC **HAMPTON ROADS BRIDGE TUNNEL EXPANSION** **Business Opportunity & Workforce Development Center**

CLASS DATES

- February 16, 2021
- February 18, 2021
- February 23, 2021
- February 25, 2021
- March 2, 2021
- March 4, 2021

CLASS TIMES
Each class session: 8:00AM—10:00 AM

ACCESS TO INDUSTRY EXPERTS
Connect with technical experts with real-world experience. Get professional advice you can immediately apply to strengthen your business.

EARN YOUR CERTIFICATE
Upon completion of all online courses you will graduate the program and earn a certificate from the U.S. Department of Transportation (US DOT).

OPPORTUNITIES
Learn about upcoming opportunities on the US Hampton Roads Bridge Tunnel Project and how you can get involved.

FOR AN APPLICATION OR MORE INFORMATION:
Alyssa Makia, Project Director
alyssa@TheInstituteNC.org | 919.956.2331

VDOT **HAMPTON VIA** **SBSD** **Hampton Roads** **CENTENNIAL** **NORFOLK**

Business Opportunity & Workforce Development Center

Financial Assistance Guidelines

The Virginia Department of Transportation (VDOT) Civil Rights Division has received grant funds from the Federal Highway Administration (FHWA) to provide supportive services to Disadvantaged Business Enterprises (DBEs), through the BOWD Center, for transportation related activities that will enhance or lead to contracting opportunities of VDOT federally-aided projects.

The supportive services funds are allocated to enhance the growth and development of DBE firms particularly in the highway construction industry. The following guidelines ensure efficient processing and offering of requests for supportive services.

Qualification
Financial assistance is limited to VA headquartered, DBE certified firms in transportation related areas of work only.

Process
Below are the steps to receiving funding for supportive services through the BOWD Center:

- Complete the DBE Business Tool accessible at <https://m3.bjpwks.org/funding/accdbi/vdot-bd>
- Request account login for VDOT University, to access BOWD Center sponsored classes
- Submit the Bid Activity Report, that will be provided by a BOWD representative
- Complete Financial Assistance Request Form and submit no less than 30 days prior to date of activity
- Attach supporting documentation for each request (i.e., registration cost, lodging, product cost, travel, etc.). Financial Assistance Request Form can be found at www.virginia.gov/for/approve
- BOWD Center will provide written notification of approval or denial of request
- Upon written approval, DBE pays for approved products/services and forwards all original receipts to the BOWD Center. All receipts and proof of payment, i.e. bank statement, credit card statement, must be submitted within 30 business days after receipt of purchase
- SWaM certified firms must be utilized to provide goods/services if available

Reimbursements
DBEs may be eligible to receive reimbursement for financial assistance requests on a case by case basis, subject to staff approval. All financial assistance requests must be pre-approved before any costs are incurred for which reimbursement is requested.

Examples of supportive services
The BOWD Center will adhere to applicable processes of VDOT's Fiscal Policies and Procedures as set forth by the Commonwealth of Virginia. However, program management discretion will be used based upon availability of funds.

Potential funding for DBE firms include:

- Software purchases
- University or Technical College courses (industry-related)
- Workshops/training relevant to firm's work activities
- Conference registration
- Lodging – limited to the VDOT Fiscal Policies and Procedures rates.

BOWD Center located in the Workforce Development and Business Support Center
6020 12th Street West • Sandston, VA 23150 • Phone: 804.328.3002

VDOT and HRCP participated in 16 DBE/SWaM introductory meetings during the reporting period. Discussions were held between VDOT and HRCP in identifying and promoting upcoming procurement opportunities available for tugboat services, demolition, transportation of materials, and landfill services. Meetings were held with the Cities of Norfolk and Hampton to discuss a joint virtual small business outreach event scheduled for March 16-17, 2021 where HRCP will provide a project update and VDOT's BOWD will serve as a virtual resource exhibitor.

OUTREACH/TRAINING EVENTS - HRCP and VDOT's Civil Rights staff continued to participate in the following virtual events to engage and share information about business and workforce development opportunities available on the Project and the Hampton Roads District.

- February 8, 2021 - COMTO Hampton Roads General Membership Meeting
- February 13, 2021 - The Hampton Roads Committee of 200+ Men Inc. General Membership Meeting
- February 16, 2021 - SBSD SWaM Certification Workshop

10. Public Outreach & Media

A Construction Virtual Open House was held and provided citizens with an overview of the HRBT Project, as well as breakout sessions with interactive questions and answers by the Project team. The three breakout sessions focused on roadway construction, portals and tunnels construction, and marine construction. Connecting to the virtual event were 522 attendees. To view a recording of the Open House, visit <https://www.hrbtexpansion.org/openhouse>.

PUBLIC OUTREACH -

- January 26, 2021 - VDOT Networking: VDOT Projects Keep Virginia Moving
- January 27, 2021 - HRBT Stakeholders Committee Meeting
- January 27, 2021 - Hampton University Leadership Project Update
- January 28, 2021 - Construction Virtual Open House for HRBT Expansion Project with 522 attendees
- January 28, 2021 - ASHE local chapter on slurry walls
- February 4, 2021 - Virginia Career Works Virtual Hiring Event
- February 16, 2021 - Optima Health Directors meeting
- February 18, 2021 - Virginia Peninsula Chamber's LEAD program as part of their Transportation Day
- February 18, 2021 - Kiwanis Club of Norfolk

MEDIA -

- January 26, 2021 - Smithfield Times article "[Virtual update set for HRBT Expansion Project.](#)"
- January 28, 2021 - WAVY-TV story on "[HRBT expansion project moving full speed ahead: officials share update on progress.](#)"
- February 4, 2021 - COVA Biz Magazine article on "[Stories to Watch 2021: HRBT Builds a Bridge to the Future.](#)"
- February 10, 2021 (Winter 2021 issue) - American DBE Magazine article on "[Transportation Secretary Shannon Valentine Maintains Commitment to DBEs During Pandemic](#)".

The image is a screenshot of the WAVY.com website. At the top, there is a navigation bar with links for NEWS, VIDEO, WEATHER, TRAFFIC, SPORTS, LIVING LOCAL, HR SHOW, and EXPERTS. Below the navigation bar, the word "TRAFFIC" is displayed in a bold, black, sans-serif font. The main headline is "HRBT expansion project moving full speed ahead; officials share update on progress", also in a large, bold, black font. Below the headline is a video player. The video player has a blue header bar with the text "HRBT EXPANSION PROJECT". The video itself shows a bridge over water, with a news anchor in a red dress on the left and a reporter in a suit on the right. The reporter is identified as "TOM SCHAAD". The video player has a timestamp "11:14" and the WAVY.com logo in the bottom right corner. The video player is titled "HAMPTON ROADS". To the right of the video player, there is a text block with a yellow triangle icon and the text "► WAVY-TV Story following the Construction Virtual Open House".

▲ American DBE Magazine

Winter 2021 issue features the HRBT Expansion Project and photos from the Groundbreaking Ceremony

Visit our website to view more information:

www.hrbtexpansion.org