

**AGENDA ITEM #11: FY 2018-2021 TIP AMENDMENT REQUEST: 115011  
I-64 HRBT EXPANSION – SOUTH TRESTLES (CHILD PROJECT OF UPC  
115008)  
Eric Stringfield, VDOT**

Attached is a request from the Virginia Department of Transportation (VDOT) to amend the FY 2018-2021 Transportation Improvement Program (TIP) to add one project as described below:

- UPC 115011: I-64 HRBT Expansion – South Trestles (Child project of UPC 115008)
  - Add project to TIP.
  - Description: VDOT portion of Construction and Preliminary Engineering costs for a subset of the overall project: replace existing marine bridges between the Norfolk shoreline and the HRBT South Island.
  - Cost Estimate as follows:
    - Preliminary Engineering (PE): \$3,527,946
    - Right of Way (RW): \$0
    - Construction (CN): \$104,999,700
    - Total Cost Estimate: \$108,527,646
  - Schedule as follows:
    - PE: Start: 4/3/2019; End: 11/1/2025
    - RW:N/A
    - CN Start: 4/3/2019; End: 11/1/2025
  - Allocations as follows:
    - Add FY Previous Commonwealth Transportation Board (CTB) Formula Bridge allocation of \$980,812
    - Add FY 2018 CTB Formula Bridge allocation of \$1,034,223
    - Add FY 2019 CTB Formula Bridge allocation of \$12,335,668
    - Add FY 2020 Highway Infrastructure Program (HIP) allocation of \$6,881,607
    - Add FY 2020 CTB Formula Bridge allocation of \$9,422,985
    - Add FY 2021 National Highway Performance Program (NHPP) allocation of \$102,066
    - Add FY 2021 Bridge allocation of \$516,980
    - Add FY 2022 NHPP allocation of \$4,962,899
    - Add FY 2022 Bridge allocation of \$749,307
    - Add FY 2023 NHPP allocation of \$1,992,769
    - Add FY 2023 Bridge \$1,367,109
    - Add FY 2024 NHPP allocation of \$240,000
    - Add FY 2024 National Highway Freight Program (NHFP) allocation of \$16,282,670
    - Add FY 2024 Surface Transportation Program (STP) Bridge allocation of \$1,596,497
    - Add FY 2024 Bridge allocation of \$266,818
    - Add FY 2025 NHPP allocation of \$9,520,700
    - Add FY 2025 NHFP allocation of \$8,449,010
    - Add FY 2025 Bridge allocation of \$6,927,908
    - Add FY 2026 Bridge allocation of \$24,897,618

- Obligations as follows:
  - Add FY 2020 PE Phase HIP obligation of \$3,527,946
  - Add FY 2020 CN Phase HIP obligation of \$3,353,661
  - Add FY 2020 CN Phase NHPP obligation of \$102,066
  - Add FY 2020 CN Phase AC obligation of \$43,044,545
  - Add FY 2020 CN Phase AC-Other obligation of \$58,499,428
  - Add FY 2021 CN Phase AC-Conversion obligation of \$4,962,899

This project is a child project of UPC 115008, which is considered regionally significant and was included as such in the Hampton Roads FY 2018-2021 TIP and 2040 LRTP that received a conformity finding from the Federal Highway Administration (FHWA) dated October 29, 2018. This UPC is for accounting purposes only and does not affect the project scope of the parent project; therefore, it does not require a new conformity determination.

This request is being made available for public review and comment from October 30, 2019 through November 13, 2019.

**Mr. Eric Stringfield, VDOT Hampton Roads District Transportation Planning Director, will brief the TTAC on this item.**

Attachment 11

**RECOMMENDED ACTION:**

Recommend HRTPO Board approval of the proposed TIP amendment.



## COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION  
I-64 HAMPTON ROADS BRIDGE-TUNNEL EXPANSION PROJECT  
204 NATIONAL AVENUE  
HAMPTON, VIRGINIA 23663

Stephen C. Brich, P.E.  
Commissioner

October 29, 2019

VDOT-TPO-0011

Mr. Robert A. Crum, Jr.  
Executive Director  
Hampton Roads Transportation Planning Organization  
The Regional Building  
723 Woodlake Drive  
Chesapeake, VA 23320

RE: I-64 Hampton Roads Bridge-Tunnel Expansion Project

Subject: FY 2018 – 2021 HRTPO TIP Amendment: UPCs T21555 (115008), 115009, 115010, and 115011

Dear Mr. Crum:

The Virginia Department of Transportation (VDOT) requests that the Hampton Roads Transportation Planning Organization (HRTPO) revise the FY 2018 – 2021 Transportation Improvement Program (TIP) to update the UPC number, project title, cost estimate, schedule, allocations, and obligations for UPC T21555 – I-64 Hampton Roads Bridge-Tunnel (HRBT) Expansion – New Capacity (parent project) and to add three new child projects. The overall project will be administered by VDOT and the project limits are from Settlers Landing Road to I-564. The overall scope of work is new construction to widen the landside four-lane sections in Hampton and Norfolk to 6 lanes, plus 2 part-time drivable shoulder lanes, and to expand the Hampton Roads Bridge-Tunnel by building twin two-lane bored tunnels west of the existing eastbound tunnel.

The overall project cost estimate is \$3,867,991,227 and is separated into four UPCs (the parent project and three child projects). The requested actions can be accomplished via four TIP amendments to the HRTPO TIP; to that end, we request the following information be amended/added:

### **UPC T21555: I-64 HRBT Expansion – New Capacity**

- UPC Number
  - Update the UPC from the temporary UPC number of T21555 to the permanent UPC number of UPC 115008

- Project Title
  - Update the title to: I-64 Hampton Roads Bridge-Tunnel Expansion Project – Design Build Contract – HRTAC Portion (Parent project)
- Description
  - HRTAC Portion of costs for the Design-Build contract
- Estimate
  - PE: \$0
  - RW: \$0
  - CN: \$3,004,569,251
  - Total Cost Estimate: \$3,004,569,251
- Schedule
  - PE: N/A
  - RW: N/A
  - CN Start: 4/3/2019; End: 11/1/2025
- Allocations:  
Replace Allocations with the following:
  - FY 19 - \$54,756,990 (Other – HRTAC)
  - FY 20 - \$195,243,010 (Other – HRTAC)
  - FY 21 - \$1,076,175,698 (Other – HRTAC)
  - FY 22 - \$657,026,122 (Other – HRTAC)
  - FY 23 - \$495,010,086 (Other – HRTAC)
  - FY 24 - \$368,828,395 (Other – HRTAC)
  - FY 25 - \$157,528,950 (Other – HRTAC)
- Obligations
  - Add (FY 19) CN Obligation \$54,756,990 (Other – HRTAC)
  - Add (FY 20) CN Obligation \$195,243,010 (Other – HRTAC)
  - Add (FY 21) CN Obligation \$1,076,175,698 (Other – HRTAC)

**UPC 115009: I-64 Hampton Roads Bridge- Tunnel Expansion Project – Owners Oversight – HRTAC Portion (Child project of UPC 115008)**

- Add project to TIP
- Description: HRTAC Portion of Owners Oversight costs, including Preliminary Engineering, Right of Way, Incentive, and Contingency/Scope Validation funds for the overall project

- Estimate
  - PE: \$118,472,054
  - RW: \$15,000,000
  - CN: \$415,428,276
  - Total Cost Estimate: \$548,900,330
  
- Schedule
  - PE: Start: 4/3/2019; End: 11/1/2025
  - RW: Start: 4/3/2019; End: 11/1/2025
  - CN Start: 4/3/2019; End: 11/1/2025
  
- Allocations:
  - Add FY 19 - \$20,923,603 (Other – HRTAC)
  - Add FY 20 - \$170,140,249 (Other – HRTAC)
  - Add FY 21 - \$52,818,643 (Other – HRTAC)
  - Add FY 22 - \$56,577,245 (Other – HRTAC)
  - Add FY 23 - \$50,653,641 (Other – HRTAC)
  - Add FY 24 - \$52,817,383 (Other – HRTAC)
  - Add FY 25 - \$133,501,765 (Other – HRTAC)
  - Add FY 26 - \$11,467,801 (Other – HRTAC)
  
- Obligations
  - Add (FFY 19) PE Obligation \$5,923,603 (Other – HRTAC)
  - Add (FFY 19) RW Obligation \$15,000,000 (Other – HRTAC)
  - Add (FFY 20) PE Obligation \$20,140,249 (Other – HRTAC)
  - Add (FFY 20) CN Obligation \$150,000,000 (Other – HRTAC)
  - Add (FFY 21) PE Obligation \$23,694,411 (Other – HRTAC)
  - Add (FFY 21) CN Obligation \$29,124,232 (Other – HRTAC)

**UPC 115010: I-64 Hampton Roads Bridge-Tunnel Expansion Project– Design-Build Contract – SMART SCALE Portion (Child project of UPC 115008)**

- Add project to TIP
  
- Description: SMART SCALE Portion of costs for the Design-Build contract
  
- Estimate
  - PE: \$0
  - RW: \$0
  - CN: \$200,000,000
  - Total Cost Estimate: \$200,000,000
  
- Schedule
  - PE: N/A
  - RW: N/A

- CN Start: 4/3/2019; End: 11/1/2025
- Allocations:
  - Add FY 24 - \$110,000,000 (GARVEE)
  - Add FY 25 - \$90,000,000 (GARVEE)
- Obligations
  - Add (FFY 20) CN Obligation \$200,000,000 (Federal – AC)
- Total GARVEE Debt Service Principal for the project is \$200,000,000 in FFY 24 - FFY 39. Corresponding Debt Service Interest is \$68,285,004 in FFY 24 - FFY 39 on UPC T23448.

**UPC 115011: I-64 HRBT Expansion New Capacity – South Trestles (Child project of UPC 115008)**

- Add project to TIP
- Description: VDOT Portion of Construction and Preliminary Engineering costs for a subset of the overall project: replace existing marine bridges between the Norfolk shoreline and the HRBT South Island
- Estimate
  - PE: \$3,527,946
  - RW: \$0
  - CN: \$104,999,700
  - Total Cost Estimate: \$108,527,646
- Schedule
  - PE: Start: 4/3/2019; End: 11/1/2025
  - RW: N/A
  - CN Start: 4/3/2019; End: 11/1/2025
- Allocations:
  - Add FY Previous - \$980,812 (CTB Formula Bridge)
  - Add FY 18 - \$1,034,223 (CTB Formula Bridge)
  - Add FY 19 - \$12,335,668 (CTB Formula Bridge)
  - Add FY 20 - \$6,881,607 (HIP)
  - Add FY 20 - \$9,422,985 (CTB Formula Bridge)
  - Add FY 21 - \$102,066 (NHPP)
  - Add FY 21 - \$516,980 (Bridge)
  - Add FY 22 - \$4,962,899 (NHPP)
  - Add FY 22 - \$749,307 (Bridge)
  - Add FY 23 - \$1,992,769 (NHPP)
  - Add FY 23 - \$1,367,109 (Bridge)

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- Add FY 24 - \$240,000 (NHPP)
  - Add FY 24 - \$16,282,670 (NHFP)
  - Add FY 24 - \$1,596,497 (STP Bridge)
  - Add FY 24 - \$266,818 (Bridge)
  - Add FY 25 - \$9,520,700 (NHPP)
  - Add FY 25 - \$8,449,010 (NHFP)
  - Add FY 25 - \$6,927,908 (Bridge)
  - Add FY 26 - \$24,897,618 (Bridge)
- Obligations
    - Add (FFY 20) PE Obligation \$3,527,946 (HIP)
    - Add (FFY 20) CN Obligation \$3,353,661 (HIP)
    - Add (FFY 20) CN Obligation \$102,066 (NHPP)
    - Add (FFY 20) CN Obligation \$43,044,545 (Federal – AC)
    - Add (FFY 20) CN Obligation \$58,499,428 (Federal – AC Other)
    - Add (FFY 21) CN Obligation \$4,962,899 (AC-Conversion)

The Department is requesting the staff of the Hampton Roads TPO process these TIP Amendments at its next meeting. Thank you for your support in this effort.

Sincerely,



James S. Utterback  
VDOT Project Director  
HRBT Expansion Project

cc: Kevin B. Page, HRTAC  
Anthony J. Gibson, VDOT

Attachments