



# Hampton Roads 2045 Long-Range Transportation Plan: Amendments and Current List of Projects

FEBRUARY 2023 UPDATE

## HAMPTON ROADS TRANSPORTATION PLANNING ORGANIZATION VOTING MEMBERS

Robert A. Crum, Jr. – Executive Director

### **VOTING MEMBERS:**

#### **CHESAPEAKE**

Richard W. "Rick" West  
Ella P. Ward – Alternate

#### **FRANKLIN**

Bobby Cutchins  
Vacant – Alternate

#### **GLOUCESTER COUNTY**

Phillip N. Bazzani  
Christopher A. Hutson – Alternate

#### **HAMPTON**

Donnie R. Tuck  
Steve L. Brown – Alternate

#### **ISLE OF WIGHT COUNTY**

William M. McCarty – Chair  
Rudolph Jefferson – Alternate

#### **MEMBERS OF THE VIRGINIA SENATE**

The Honorable Mamie E. Locke  
The Honorable Lionell Spruill, Sr.

#### **MEMBERS OF THE VIRGINIA HOUSE OF DELEGATES**

The Honorable Jeion A. Ward  
Vacant

#### **TRANSPORTATION DISTRICT COMMISSION OF HAMPTON ROADS**

William E. Harrell, President/Chief Executive  
Officer  
Ray Amoruso – Alternate

#### **JAMES CITY COUNTY**

Michael J. Hipple  
John J. McGlennon – Alternate

#### **NEWPORT NEWS**

Cleon Long  
Vacant – Alternate

#### **NORFOLK**

Kenneth C. Alexander  
Martin A. Thomas, Jr. – Alternate

#### **POQUOSON**

Gordon C. Helsel, Jr. – Vice-Chair  
Vacant – Alternate

#### **PORTSMOUTH**

Shannon E. Glover  
Lisa L. Lucas-Burke – Alternate

#### **VIRGINIA DEPARTMENT OF TRANSPORTATION**

Christopher Hall, Hampton Roads District  
Engineer  
Todd Halacy – Alternate

#### **VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION**

Jennifer DeBruhl, Director  
Zach Trogdon – Alternate

#### **VIRGINIA PORT AUTHORITY**

Stephen A. Edwards, CEO/Executive Director  
Cathie Vick – Alternate

#### **SOUTHAMPTON COUNTY**

William Hart Gillette  
Vacant – Alternate

#### **SUFFOLK**

Michael D. Duman  
Leroy Bennett – Alternate

#### **VIRGINIA BEACH**

Robert M. "Bobby" Dyer  
Norman Dewey "Rocky" Holcomb – Alternate

#### **WILLIAMSBURG**

Douglas Pons  
Pat Dent – Alternate

#### **YORK COUNTY**

Thomas G. Shepperd, Jr.  
G. Stephen Roane, Jr. – Alternate

#### **WILLIAMSBURG AREA TRANSIT AUTHORITY**

Sanford (Sandy) Wanner, Interim Executive  
Director  
Karen Davis – Alternate

## HAMPTON ROADS TRANSPORTATION PLANNING ORGANIZATION NON-VOTING MEMBERS

### NON-VOTING MEMBERS:

#### CHESAPEAKE

Christopher M. Price

#### FRANKLIN

Amanda C. Jarratt

#### GLOUCESTER COUNTY

Carol Steele

#### HAMPTON

Mary Bunting

#### ISLE OF WIGHT COUNTY

Randy R. Keaton

#### JAMES CITY COUNTY

Scott Stevens

#### FEDERAL HIGHWAY ADMINISTRATION

Thomas Nelson, Jr., Division Administrator, Virginia Division

#### FEDERAL TRANSIT ADMINISTRATION

Terry Garcia-Crews, Regional Administrator, Region 3

#### FEDERAL AVIATION ADMINISTRATION

Jeffrey W. Breeden, Washington Airports Office District

#### VIRGINIA DEPARTMENT OF AVIATION

Greg Campbell, Director

#### PENINSULA AIRPORT COMMISSION

Vacant

#### NORFOLK AIRPORT AUTHORITY

Mark Perryman, Executive Director/CEO

#### NEWPORT NEWS

Cynthia D. Rohlf

#### NORFOLK

Larry "Chip" Filer

#### POQUOSON

J. Randall Wheeler

#### PORTSMOUTH

Mimi Terry

#### SOUTHAMPTON COUNTY

Brian Thrower

#### SUFFOLK

Albert Moor

#### VIRGINIA BEACH

Patrick A. Duhaney

#### WILLIAMSBURG

Andrew O. Trivette

#### YORK COUNTY

Neil Morgan

#### COMMUNITY ADVISORY COMMITTEE

Mark Geduldig-Yatrofsky, Chair

#### FREIGHT TRANSPORTATION ADVISORY COMMITTEE

Robert Eveleigh, Chair

#### MILITARY LIAISONS

Harry Hung, Colonel, U.S. Air Force

Jennifer Stockwell, Captain, U.S. Coast Guard

David Dees, Captain, U.S. Navy

Gordon Meek, III, Captain U.S. Navy – Alternate

#### INVITED PARTICIPANT

Frederick T. Stant, III, Commonwealth Transportation Board

B. Wayne Coleman, Commonwealth Transportation Board

Vacant

## REPORT DOCUMENTATION

### TITLE

Hampton Roads 2045 Long-Range Transportation Plan:  
Amendments and Current List of Projects

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Theresa K. Brooks, Transportation Engineer III

### ORGANIZATION

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### PROJECT MANAGER

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Christopher Vaigneur, Assistant General Services Manager

### ABSTRACT

The purpose of this document is to summarize amendments to the Hampton Roads 2045 Long-Range Transportation Plan and maintain a current list of projects for the Plan.

### ACKNOWLEDGMENT & DISCLAIMERS

Prepared in cooperation with the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA), and Virginia Department of Transportation (VDOT). The contents of this report reflect the views of the Hampton Roads Transportation Planning Organization (HRTPO). The HRTPO is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, VDOT, or Hampton Roads Planning District Commission. This report does not constitute a standard, specification, or regulation. FHWA or VDOT acceptance of this report as evidence of the fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvements, nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project-level environmental impact assessments and/or studies of alternatives may be necessary.

### NON-DISCRIMINATION

The HRTPO assures that no person shall, on the ground of race, color, national origin, handicap, sex, age, or income status as provided by Title VI of the Civil Rights Act of 1964 and subsequent authorities, be excluded from participation in, be denied the benefits of, or be otherwise subject to discrimination under any program or activity. The HRTPO Title VI Plan provides this assurance, information about HRTPO responsibilities, and a Discrimination Complaint Form.

**HAMPTON ROADS 2045 LONG-RANGE TRANSPORTATION PLAN:  
AMENDMENTS AND CURRENT LIST OF PROJECTS**

**REPORT UPDATED: FEBRUARY 2023**

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THE 2045 LONG-RANGE TRANSPORTATION  
PLAN WILL USE INNOVATIVE  
PLANNING TECHNIQUES TO ADVANCE AN  
ADAPTIVE TRANSPORTATION SYSTEM THAT  
SEAMLESSLY INTEGRATES TRANSPORTATION  
MODES FOR ALL USERS WHILE IMPROVING  
QUALITY OF LIFE AND PRESERVING THE  
UNIQUE CHARACTER OF HAMPTON ROADS.

# OVERVIEW

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As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is required to develop and maintain a long-range regional transportation blueprint, or Long-Range Transportation Plan (LRTP), to help guide multimodal transportation investments that promote system efficiency and connectivity while maximizing the use of scarce transportation funds. The current **Hampton Roads 2045 LRTP**, adopted by the HRTPO in June 2021, was developed over a 5-year period and is based on a collaborative process involving many regional stakeholders and the public to identify, prioritize, and fiscally constrain needed transportation investments.

LRTPs have a planning horizon of at least twenty years and are updated regularly (every five years in Hampton Roads) to reflect changing conditions such as population and employment growth, anticipated travel demand, advancements in transportation technology, and projected environmental changes. To effectively address anticipated changes between now and the year 2045, multiple growth scenarios were used to evaluate potential candidate projects by stress-testing the transportation system. For the 2045 LRTP, approximately 260 candidate projects were evaluated and prioritized with the **Regional Scenario Planning Framework** and updated **Project Prioritization Tool**. Using a long-range transportation revenue forecast, projects were selected from the

prioritized list of candidates – these projects represent the most robust projects the region can afford over the next twenty years to help improve the transportation system.

The 2045 LRTP identifies \$17 Billion to maintain the existing transportation system and an additional \$13.5 Billion for multimodal projects and studies that will help reduce congestion, increase reliability, support economic vitality, and improve the quality of life for residents across Hampton Roads. The Plan contains major improvements to bridges, tunnels, roads, and interchanges across the region. The Plan also includes enhanced transit service, planned Bus Rapid Transit on the Peninsula, and new regional bicycle and pedestrian facilities. As a system, these planned investments will help achieve the overall 2045 LRTP vision of an adaptive transportation system that seamlessly integrates transportation modes for all users.

Since LRTPs in Hampton Roads are updated on a five-year cycle, the 2045 LRTP will remain in effect until June 2026 or when the 2050 LRTP is adopted, whichever comes first. During this time, the amendment process provides an avenue to update the Plan as new projects, funding, or programs arise.

This document is a summary of amendments made to the 2045 LRTP to date, detailing project information and associated funding assumptions for each amendment.

## 2045 LRTP REPORTS

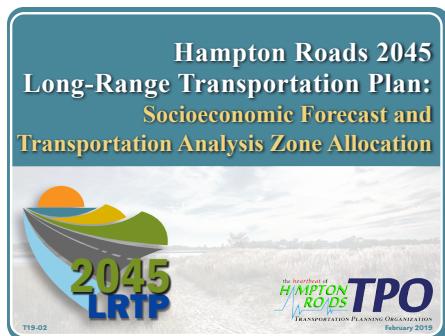
The 2045 LRTP is documented through a series of reports, which are available on the [\*\*2045 LRTP webpage\*\*](#).

<b>2045 LRTP REPORT</b>	<b>REPORT DESCRIPTION</b>
#1	The <b><u>Hampton Roads 2045 Socioeconomic Forecast</u></b> report describes projected population and employment growth for the region.
#2	The <b><u>Regional Needs</u></b> report establishes the framework for the vision and goals of the 2045 LRTP as well as the collection of candidate transportation projects.
#3	The <b><u>Title VI/Environmental Justice Evaluation</u></b> report analyzes candidate projects using the HRTPO Title VI and Environmental Justice methodology.
#4	The <b><u>Transportation Challenges and Strategies</u></b> report summarizes issues the region may face over the next 20 years and strategies to help meet these challenges.
#5	The <b><u>Evaluation and Prioritization</u></b> report details the process of analyzing candidate projects using the Regional Scenario Planning Framework, and each candidate Project Prioritization Score.
#6	The <b><u>Funding Plan</u></b> report documents transportation revenues anticipated to be available between 2021-2045 as well as the development of the fiscally constrained list of projects for the Plan.
#7	The <b><u>Project Information Guide</u></b> provides detailed project information for each project fiscally constrained in the Plan.
#8	The <b><u>Plan Performance</u></b> report summarizes the forecasted performance of the 2045 LRTP.
#9	The <b><u>Regional Transportation Vision Plan</u></b> report includes a list of unfunded transportation priorities for the region. This list can serve as a resource should additional funding become available.
#10	The <b><u>Public Involvement Documentation</u></b> report provides an overview of the public involvement opportunities during the development of the Plan.
#11	The <b><u>2045 Rural Long-Range Transportation Plan</u></b> is a vision plan identifying transportation recommendations for the City of Franklin and Southampton County (anticipated completion early 2022).
#12	The <b><u>Amendments and Current List of Projects</u></b> report documents summarizes any changes to the 2045 LRTP since the adoption of the Plan on June 17, 2021.

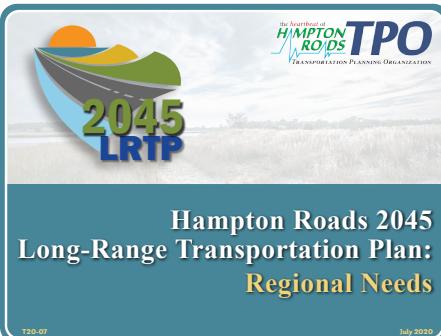
## 2045 LRTP REPORTS

The development of the **2045 LRTP** is documented through a series of reports. Please click on the report images below for more information.

1



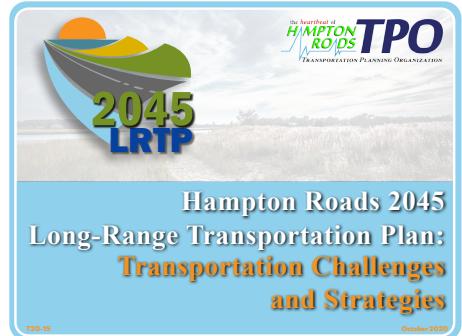
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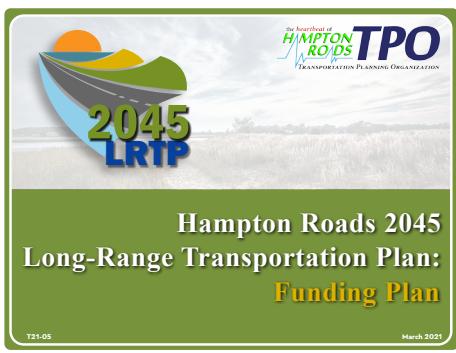
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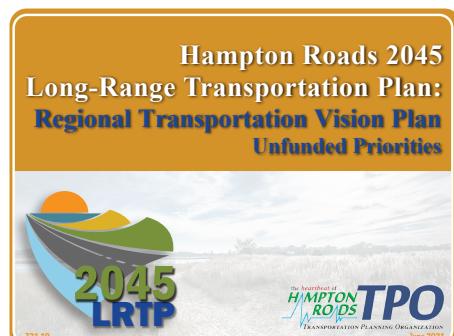
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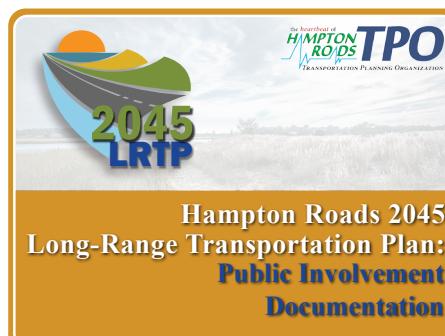
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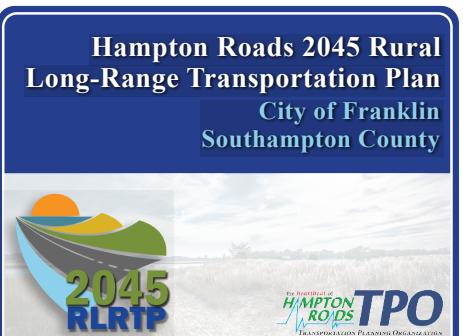
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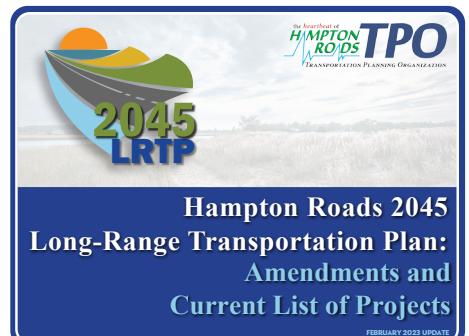
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In addition to the LRTP reports, an [interactive StoryMap of the 2045 LRTP](#) projects is available on the [2045 LRTP](#) webpage



The logo for the Hampton Roads 2045 Long-Range Transportation Plan. It features a stylized landscape with a rising sun over water, followed by green and yellow landforms. The year '2045' is in large green letters, and 'LRTP' is in blue letters below it.

# Hampton Roads 2045 Long-Range Transportation Plan

## 2045 LRTP Overview

Hampton Roads Transportation Planning Organization  
June 8, 2022

# LRTP AMENDMENT PROCESS

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The 2045 LRTP is a living document to be maintained until the next LRTP is adopted. As additional funding is identified for the region (not already accounted for as part of the current fiscally constrained plan) or if new transportation needs are identified, amendments to the Plan can be considered by the HRTPO Board.

## AMENDMENT PROCESS

Amendments can be submitted by locality or agency staff, including HRTPO staff. Project details such as scope, cost estimate (expressed in year of expenditure dollars), estimated opening year, and funding assumptions for fiscal constraint must be included in an amendment request. Each amendment request is subject to a 14-day public review period. Typically, the Transportation Technical Advisory Committee (TTAC) will review amendment requests and make a recommendation to the HRTPO Board. The HRTPO Board will then take action on the request, factoring in TTAC's recommendation and any public feedback received. If there is a time constraint, the HRTPO Board can consider amendments absent a TTAC recommendation.

## TRANSPORTATION AND AIR QUALITY CONFORMITY

Maintaining clean air is an important issue as air quality can affect the health and well-being of a community. To help ensure air quality, the federal government has established National Ambient Air Quality Standards (NAAQS) for certain pollutants (namely carbon monoxide, sulfur dioxide, ozone, particulate matter, nitrogen dioxide, and lead). Since car emissions can add to air pollution, the Environmental Protection Agency (EPA) also established the Transportation Conformity Rule (40 CFR Part 93) to better link air quality and transportation planning.

The region's current 2045 LRTP and FY 2021-2024 Transportation Improvement Program have met all applicable federal, state, and local requirements relating to the EPA Transportation Conformity Rule, documented in the [\*\*Hampton Roads 2045 LRTP and FY 2021-2024 Transportation Improvement Program Regional Conformity Assessment\*\*](#).

Any amendments to the LRTP that are not considered exempt from conformity will be subject to a Regional Conformity Assessment.

# AMENDMENTS

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## SUMMARY OF AMENDMENTS TO DATE

Amendment Number	Location of Project	Project/Amendment Description	From	To	Amendment Date
1	Chesapeake	I-64 (Exit 291)/I-464 Interchange Improvements	I-64 Eastbound	Route 168 Southbound	October 21, 2021
2	Norfolk	St. Paul's Project - Phase II (extension of Freemason Street)	Church Street	Tidewater Drive	October 21, 2021
3	Suffolk	Godwin Boulevard	Kings Fork Road	Suffolk Bypass	October 21, 2021
4	Various	Update project cost estimates, opening year assumptions, and revenue forecast for Highway Regional Priority Projects	N/A	N/A	July 21, 2022
5	Multi-jurisdictional	I-64 Peninsula Widening - Segment 4	1.15 Miles West of Route 199 (Exist 234)	Hampton Roads MPA Boundary/New Kent County	July 21, 2022
6	Suffolk	Bridge Road (Route 17)	Windward Lane	Harbour View Blvd	July 21, 2022
7	Norfolk	Virginia Beach Boulevard	George Street	Newtown Road	February 16, 2023
8	Suffolk	Shoulders Hill Road - Phase 2	Laycock Lane	Bennetts Creek Park Road	February 16, 2023
9	Suffolk	Shoulders Hill Road - Phase 3	Bennetts Creek Park Road	Pughsville Road	February 16, 2023

## SUMMARY OF ADMINISTRATIVE MODIFICATIONS TO DATE

Administrative Modification Number	Location of Project	Project/Administrative Modification Description	From	To	Administrative Modification Date
None to date					

## OCTOBER 21, 2021 AMENDMENTS

In September 2021, proposed amendments to the 2045 LRTP were submitted for consideration (see Project Details below). Fiscal constraint was demonstrated for each amendment. The proposed amendments were made available for public review and comment between September 30 and October 13, 2021. No public comments were received.

At its October 21, 2021 meeting, the HRTPO Board approved the request to amend the 2045 LRTP, subject to any applicable transportation conformity requirements (see Transportation Conformity Requirements section below). The 2045 LRTP revenue forecast and current list of projects have been updated to reflect these amendments (documented in this report).

## OCTOBER 21, 2021 AMENDMENTS: PROJECT DETAILS

Amendment Number	Jurisdiction	Project	Project Description	Amendment Action	Estimated Project Cost (Year-of-Expenditure)	Funding Source(s)	Transportation Conformity Exempt Project
1	Chesapeake	I-64 (Exit 291)/I-464 Interchange Improvement	Improve interchange configuration via an I-64 Eastbound flyover to Southbound Route 168	Add for Construction	\$140 Million (2025)	• \$140 Million Interstate Operations and Enhancements Fund (IOEP)	No
2	Norfolk	St. Paul's Project - Phase II (extension of Freemason Street)	Phase II will extend Freemason St to Tidewater Dr, creating an east-west connection from Downtown Norfolk to St. Paul's area. A residential grid network will also be constructed.	Add for Construction	\$21.7 Million (2025)	• \$14.4 Million BUILD • \$2.1 Million Revenue Sharing • \$5.2 Million City of Norfolk	No
3	Suffolk	Godwin Boulevard	Improvements include a 4 to 6 lane widening between Kings Fork Rd and the Suffolk Bypass (US 460/58/13)	Add for Construction	\$15.8 Million (2030)	• \$13.3 Million District Grant Funds • \$2.5 Million City of Suffolk	No

## OCTOBER 21, 2021 AMENDMENTS: TRANSPORTATION CONFORMITY REQUIREMENTS

Non-exempt conformity projects, indicated in the Project Details section, are subject to a Regional Conformity Assessment (RCA). In October 2021, the RCA for the **Hampton Roads Amended 2045 LRTP and FY 2021-2024 TIP** was completed, following applicable federal guidance related to conformity as well as local consultation procedures. A Finding of Conformity for the Hampton Roads Amended 2045 LRTP and FY 2021-2024 TIP was proposed as all applicable US Environmental Protection Agency (EPA) and local conformity criteria were met. The RCA was made available for public review from October 27, 2021 through November 9, 2021. No public comments were received.

On March 11, 2022, a joint Federal Highway Administration (FHWA) /Federal Transit Administration (FTA) Conformity Finding was issued confirming that the Hampton Roads Amended 2045 LRTP and FY 2021-2024 TIP demonstrate conformity as prescribed by EPA's Transportation Conformity Rule (40 CFR Part 93), subsequent amendments, and guidance issued by EPA in November 2018 for areas affected by the February 2018 South Coast II court decision.

With the HRPTO Board approval and the joint FHWA/FTA Conformity Finding, the modifications described in these amendments will be included in the 2045 LRTP.

## JULY 21, 2022 AMENDMENTS

In June 2022, proposed amendments to the 2045 LRTP were submitted for consideration (see Project Details below). Fiscal constraint was demonstrated for each amendment. The proposed amendments were made available for public review and comment between June 29 and July 12, 2022. No public comments were received.

At its July 21, 2022 meeting, the HRTPO Board approved the request to amend the 2045 LRTP, subject to any applicable transportation conformity requirements (see Transportation Conformity Requirements section below). The 2045 LRTP revenue forecast and current list of projects have been updated to reflect these amendments (documented in this report).

## JULY 21, 2022 AMENDMENTS: PROJECT DETAILS

Amendment Number	Jurisdiction	Project	Project Description	Amendment Action	Estimated Project Cost (Year-of-Expenditure)	Funding Source(s)	Transportation Conformity Exempt Project
4	Multi-jurisdictional	Hampton Roads Express Lanes Network*	High Occupancy Toll (HOT) system from Jefferson Avenue to Bowers Hill	Update Project Cost and Opening Year	\$993 Million (2027) <sup>2</sup>	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No
	Multi-jurisdictional	I-64/I-264 Interchange - Phase IIIA*	Construct bridges I-64 EB over Kempsville Rd and Virginia Beach Blvd, and I-264 EB over Newtown Rd; widen I-64 EB by 1-2 lanes from Northampton Blvd entrance ramp and I-264 EB by one lane to merge with mainline	Update Project Cost and Opening Year	\$525 Million (2039)	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No
	Multi-jurisdictional	I-664 Widening*	Extension of HRELN from Bowers Hill Interchange to College Drive (1 full-time HOT and 1 part-time HOT shoulder)	Update Project Cost and Opening Year	\$1,529 Million (2038) <sup>3</sup>	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No
	Chesapeake	Bowers Hill Interchange*	Interchange improvements to provide congestion relief and improve safety	Update Project Cost and Opening Year	\$771 Million (2038) <sup>1</sup>	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No
	Virginia Beach	I-264/Independence Blvd Interchange*	Interchange improvements to provide congestion relief and improve safety	Update Opening Year	\$207 Million (2032)	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No
	Virginia Beach	I-264 Widening*	Widen interstate from Witchduck Road to Independence Boulevard with one additional travel lane in each direction and the conversion of the shoulder lane into travel lane	Update Opening Year	\$669 Million (2032) <sup>4</sup>	• HRTAC 2045 Long-Range Plan of Finance (June 2022)	No

\*Project included in the 2045 LRTP since HRTPO Board adoption on June 17, 2021. Updates are for project cost estimates and opening year assumptions.

1 – 2045 LRTP estimated project opening year is 2038; HRTAC Long Range Plan of Finance assumes an opening year of 2033; YOE assumptions are for 2038.

2 – HRTAC Long Range Plan of Finance includes an assumption of \$124 Million for bridge maintenance; the 2045 LRTP includes a \$17 Billion set-aside for maintenance and therefore maintenance assumptions do not need to be individually listed in the LRTP.

3 – 2045 LRTP estimated project opening year is 2038; HRTAC Long Range Plan of Finance assumes an opening year of 2034; YOE assumptions are for 2038. Project cost is the high-end range of a preliminary estimate for the proposed preferred alternative. Cost estimate will be refined after NEPA has been completed.

4 – HRTAC Long Range Plan of Finance accelerates project opening assumption; YOE assumption has not been discounted (FAR (2038-2045) LRTP time band inflation factor of 1.81 still being applied as opposed to MIDDLE ( 2030-2037) LRTP time band inflation factor of 1.43).

## JULY 21, 2022 AMENDMENTS: PROJECT DETAILS (CONTINUED)

Amendment Number	Jurisdiction	Project	Project Description	Amendment Action	Estimated Project Cost (Year-of-Expenditure)	Funding Source(s)	Transportation Conformity Exempt Project
5	Multi-jurisdictional	I-64 Peninsula Widening - Segment 4	Widen I-64 from 1.15 miles west of Route 199 (Exit 234) to the New Kent County Line by one lane in each direction within the median	Add for Construction	\$250 Million (2028)	<ul style="list-style-type: none"> <li>\$250 Million in various State funds (allocations from General Assembly, Commonwealth Transportation Board, and other regional authorities)</li> </ul>	No
6	Suffolk	Bridge Road (Route 17)	Improvements include 4 to 6 lane widening, turn lanes, and bike/pedestrian accommodations from Windward Lane to Harbour View Boulevard	Add for Construction	\$12.8 Million (2027)	<ul style="list-style-type: none"> <li>\$9.8 Million Priority Transportation Funds</li> <li>\$3 Million Local Funds</li> </ul>	No

## JULY 21, 2022 AMENDMENTS: TRANSPORTATION CONFORMITY REQUIREMENTS

Non-exempt conformity projects, indicated in the Project Details section, are subject to a Regional Conformity Assessment (RCA). In July 2022, the **Amended Hampton Roads 2045 LRTP and FY 2021-2024 TIP RCA** was completed, following applicable federal guidance related to conformity as well as local consultation procedures. A Finding of Conformity for the Amended Hampton Roads 2045 LRTP and FY 2021-2024 TIP was proposed as all applicable US Environmental Protection Agency (EPA) and local conformity criteria were met. The RCA was made available for public review from June 29, 2022 through July 12, 2022. A comment was received from Federal Transit Administration staff on engagement opportunities and being addressed.

On August 17, 2022, a joint Federal Highway Administration (FHWA) /Federal Transit Administration (FTA) Conformity Finding was issued confirming that the Amended Hampton Roads 2045 LRTP and FY 2021-2024 TIP demonstrate conformity as prescribed by the EPA Transportation Conformity Rule (40 CFR Part 93), subsequent amendments, and guidance issued by EPA in November 2018 for areas affected by the February 2018 South Coast II court decision. The EPA, by letter dated August 10, 2022, concurred on the overall conformity determination.

With the HRPTO Board approval and the joint FHWA/FTA Conformity Finding, the modifications described with this amendment are included in the 2045 LRTP.

## FEBRUARY 16, 2023 AMENDMENTS

In January 2023, HRTPO staff were made aware of proposed amendments to the 2045 LRTP (see Project Details below). Fiscal constraint was demonstrated for each amendment. The proposed amendments were made available for public review and comment between January 25, 2023 and February 7, 2023. No comments were received.

At its February 16, 2023 meeting, the HRTPO Board approved the request to amend the 2045 LRTP, subject to any applicable transportation conformity requirements (see Transportation Conformity Requirements section below). The 2045 LRTP revenue forecast and current list of projects have been updated to reflect these amendments (documented in this report).

## FEBRUARY 16, 2023 AMENDMENTS: PROJECT DETAILS

Amendment Number	Jurisdiction	Project	Project Description	Amendment Action	Estimated Project Cost (Year-of-Expenditure)	Funding Source(s)	Transportation Conformity Exempt Project
7	Norfolk	Virginia Beach Blvd	Project will remove service lanes/widen to 6-lanes from George Street to Newtown Road. Project will also include an improved intersection at George Street and pedestrian enhancements.	Add for Construction	\$15.7 Million (2030)	• \$15.7 Various Federal/State Funds (selected during SMART SCALE Round 3)	No
8	Suffolk	Shoulders Hill Road - Phase 2	Project will widen Shoulders Hill Road from 2 to 4 lanes between Laycock Lane and Bennetts Creek Park Road.	Add for Construction	\$9.6 Million (2031)	• \$3.2 Million Revenue Sharing • \$6.4 Million City of Suffolk	No
9	Suffolk	Shoulders Hill Road - Phase 3	Project will widen Shoulders Hill Road from 2 to 4 lanes between Bennetts Creek Park Road and Pughsville Road.	Add for Construction	\$15.7 Million (2033)	• \$1.6 Million Revenue Sharing • \$14.1 Million City of Suffolk	No

## FEBRUARY 16, 2023 AMENDMENTS: TRANSPORTATION CONFORMITY REQUIREMENTS

Non-exempt conformity projects, indicated in the Project Details section, are subject to a Regional Conformity Assessment (RCA). In [DATE TBD], the **Amended Hampton Roads 2045 LRTP and FY 2024-2027 TIP RCA** was completed, following applicable federal guidance related to conformity as well as local consultation procedures. A Finding of Conformity for the Amended Hampton Roads 2045 LRTP and FY 2021-2024 TIP was proposed as all applicable US Environmental Protection Agency (EPA) and local conformity criteria were met. The RCA was made available for public review from [DATE TBD] through [DATE TBD]. Any public comments received will be addressed and documented.

On [DATE TBD], a joint Federal Highway Administration (FHWA) /Federal Transit Administration (FTA) Conformity Finding was issued confirming that the Amended Hampton Roads 2045 LRTP and FY 2024-2027 TIP demonstrates conformity as prescribed by the EPA Transportation Conformity Rule (40 CFR Part 93), subsequent amendments, and guidance issued by EPA in November 2018 for areas affected by the February 2018 South Coast II court decision. The EPA, by letter dated [DATE TBD], concurred on the overall conformity determination.

With the HRPTO Board approval and the joint FHWA/FTA Conformity Finding, the modifications described with this amendment are included in the 2045 LRTP.

# CURRENT LIST OF PROJECTS

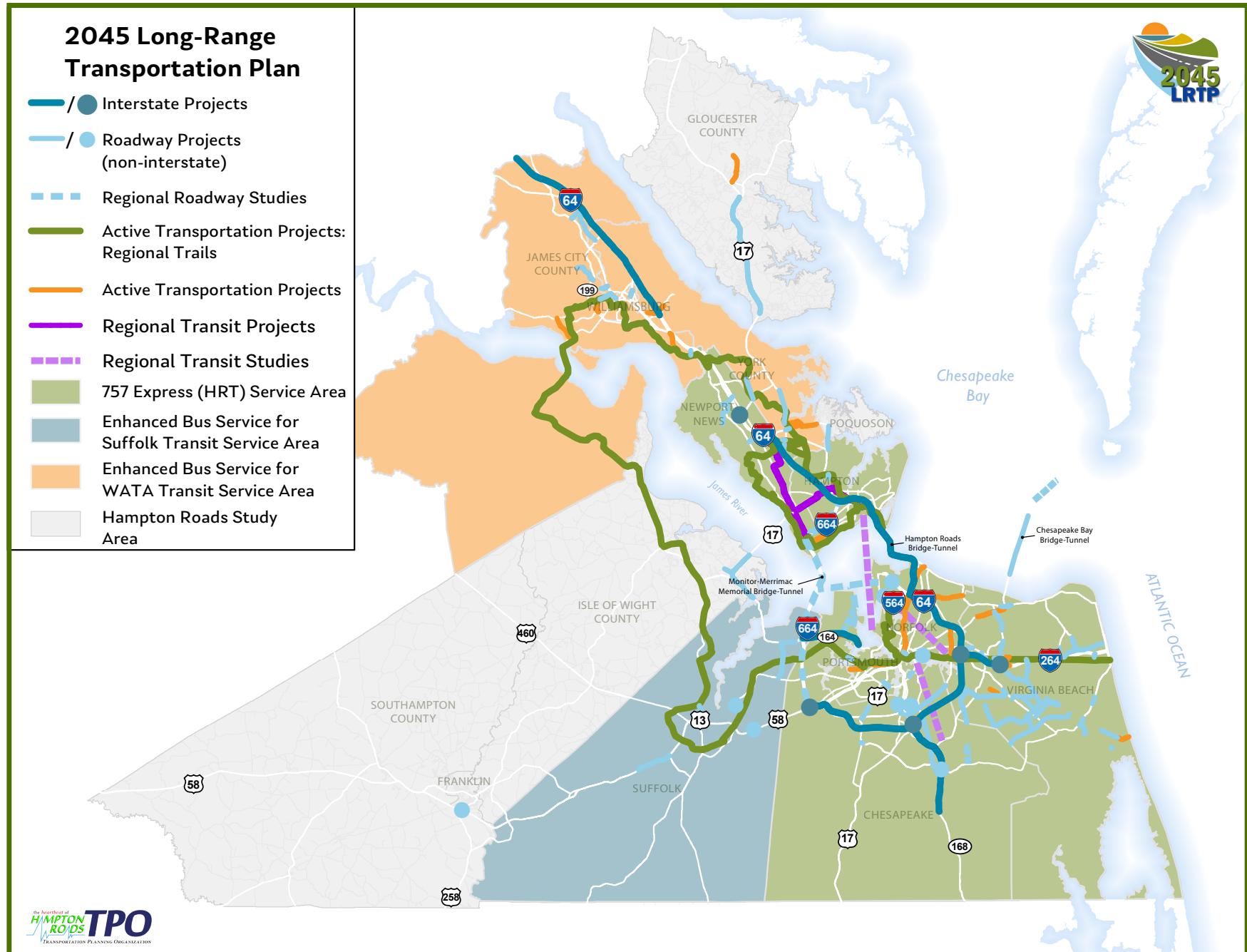
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## CURRENT 2045 LRTP REVENUE FORECAST AND PROJECT COSTS (AS OF FEBRUARY 16, 2023)

CURRENT TOTAL 2021-2045 REVENUES FOR ADDITIONAL CAPACITY (IN MILLIONS)					
FUNDING SOURCE	PREVIOUS	ADDITIONAL FROM OCTOBER 21, 2021 AMENDMENTS	ADDITIONAL FROM JULY 21, 2022 AMENDMENTS	ADDITIONAL FROM FEBRUARY 16, 2023 AMENDMENTS	UPDATED TOTAL
Regional HRTAC (HRTF and HRRTF) Revenues	\$7,353		\$1,586		\$8,939
Federal and State Revenues	\$4,193	\$157	\$529	\$5	\$4,883
Local/Agency Revenues	\$1,949	\$8	\$3	\$21	\$1,980
Other Revenues (non-LRTP funding sources)	\$200				\$200
<b>TOTAL</b>	<b>\$13,695</b>	<b>\$164</b>	<b>\$2,118</b>		<b>\$16,002</b>

CURRENT TOTAL ESTIMATED PROJECT COSTS, IN MILLIONS (YEAR OF EXPENDITURE \$)					
PROJECT CATEGORY	PREVIOUS	ADDITIONAL FROM OCTOBER 21, 2021 AMENDMENTS	ADDITIONAL FROM JULY 21, 2022 AMENDMENTS	ADDITIONAL FROM FEBRUARY 16, 2023 AMENDMENTS	UPDATED TOTAL
Committed Projects	\$5,591				\$5,591
10% Grouped Projects Set-Aside	\$283				\$283
Regional Priority Projects (Highway, Transit, and Active Transportation)	\$4,193	\$140	\$1,855		\$6,188
Other Planned Additional Capacity Projects (Highway, Transit, and Active Transportation)	\$2,421	\$38	\$263	\$41	\$2,762
Planned Locally Funded Capacity Projects	\$934				\$934
Planned Studies	\$94				\$94
<b>TOTAL</b>	<b>\$13,516</b>	<b>\$178</b>	<b>\$2,118</b>		<b>\$15,852</b>

## 2045 LRTP FISCALLY CONSTRAINED PROJECTS



## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
<b>HIGHWAY REGIONAL PRIORITY PROJECTS</b>						
2045-50	Multi-jurisdictional	Hampton Roads Express Lanes Network	Jefferson Avenue	Bowers Hill	\$993.0	Committed
2045-2	Multi-jurisdictional	I-64 Widening Including Hampton Roads Bridge-Tunnel	Near I-664/Hampton Coliseum	I-564	\$3,322.0	Committed
2045-7	Multi-jurisdictional	I-64 Southside Widening Including High Rise Bridge - Phase 1	I-464	I-664	\$79.0	Committed
2045-41	Multi-jurisdictional	I-64 Peninsula Widening - Segment 3	1.05 miles west of Route 199 (Exit 242)	1.15 miles west of Route 199, Lightfoot (Exit 234)	\$41.0	Committed
2045-4	Multi-jurisdictional	I-64/I-264 Interchange - Phase II	N/A	N/A	\$32.0	Committed
2045-301	Multi-jurisdictional	I-64/I-264 Interchange - Phase IIIA	N/A	N/A	\$525.0	214
2045-109	Multi-jurisdictional	I-664 Widening	Bowers Hill	College Drive	\$1,529.0	157 (206**)
2045-119	Multi-jurisdictional	VA-164 Widening	West Norfolk Bridge	I-664	\$493.1	129
2045-308	Chesapeake	Bowers Hill Interchange	N/A	N/A	\$771.0	173 (206**)
2045-309	Chesapeake	I-64/I-464 Loop Ramps	N/A	N/A	\$338.8	160
2045-309A	Chesapeake	I-64/I-464 Interchange Improvements	I-64 Eastbound	Route 168 Southbound	\$140.0	160
2045-129	Chesapeake	VA-168 Bypass	I-64	Hillcrest Parkway	\$354.7	175
2045-314	Newport News	I-64/Denbigh Boulevard Interchange Project	N/A	N/A	\$219.6*	152
2045-326	Virginia Beach	I-264/Independence Boulevard Interchange	N/A	N/A	\$207.5	208
2045-232	Virginia Beach	I-264 Widening	Witchduck Road	Independence Boulevard	\$668.6	147 (169**)
<b>TRANSIT REGIONAL PRIORITY PROJECTS</b>						
2045-520	Multi-jurisdictional	Hampton Roads Regional Transit System - 757 Express	N/A	N/A	\$551.9	N/A
<b>ACTIVE TRANSPORTATION REGIONAL PRIORITY PROJECTS</b>						
2045-704	Multi-jurisdictional	Birthplace of America Trail (portions of trail)	Virginia Capital Trail	Fort Monroe and Suffolk	Amount constrained: \$25	212
2045-707	Multi-jurisdictional	South Hampton Roads Trail - Suffolk to Virginia Beach Oceanfront (portions of trail)	Suffolk	Virginia Beach	Amount constrained: \$25	206

\*\*Prioritization score of "parent" project

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
<b>ROADWAY PROJECTS</b>						
2045-1	Multi-jurisdictional	Chesapeake Bay Bridge-Tunnel Parallel Thimble Shoal Tunnel	Virginia Beach	Northampton County	\$924.8	Committed
2045-160	Multi-jurisdictional	I-64 Peninsula Widening - Segment 4	1.15 Miles West of Route 199 (Exit 234)	Hampton Roads MPA/New Kent County Line	\$250.0	147
2045-111	Multi-jurisdictional	Mooretown Road Extension	Lightfoot Road	Croaker Road	\$95.4	106
2045-3	Multi-jurisdictional	Wythe Creek Road	Alphus Street	Commander Shepard Boulevard	\$8.9	Committed
2045-122	Chesapeake	Battlefield Boulevard	Johnstown Road	I-64	\$121.3	157
2045-6	Chesapeake	Deep Creek Bridge Replacement and George Washington Hwy/Moses Grandy Trail Intersection Improvements	Mill Creek Parkway	Diamond Avenue	\$7.5	Committed
2045-10	Chesapeake	Freeman Avenue Railroad Overpass	N/A	N/A	\$25.4	Committed
2045-135	Chesapeake	George Washington Highway (US 17)	Yadkin Road	Canal Drive	\$41.1	163
2045-146	Chesapeake	Military Highway	Virginia Beach City Line	I-464	\$148.7	148
2045-9	Chesapeake	Mount Pleasant Road/Great Bridge Bypass	N/A	N/A	\$6.0	Committed
2045-602	Chesapeake	Portlock Road Railroad Overpass	N/A	N/A	\$36.1	146
2045-8	Chesapeake	Triple Decker Bridge (Interchange of US 13, US 460, and Norfolk Southern Rail Line)	N/A	N/A	\$5.7	Committed
2045-307	Franklin/Southampton County	US 58/258 Interchange	N/A	N/A	\$1.5	116
2045-151	Gloucester County	George Washington Mem Highway (US 17)	1 mile north of Coleman Bridge	Main Street (@ Walmart)	\$211.3	158
2045-11	Hampton	Coliseum Drive Extension A	Hampton Roads Center Parkway	Butler Farm Road	\$2.6	Committed
2045-154	Hampton	Coliseum Drive Extension B	Butler Farm Road	N Campus Pkwy/Magruder Boulevard	\$15.4	96
2045-12	Isle of Wight County	Nike Park Road Extension	Reynolds Drive	US 17	\$9.7	Committed
2045-157	Isle of Wight County	US 17/Carrollton Boulevard (part of Route 17 corridor)	End of Chuckatuck Creek Bridge	James River Bridge	\$88.4	143
2045-14	James City County	Croaker Road	Richmond Road (US 60)	Rochambeau Road	\$12.3	Committed
2045-15	James City County	Longhill Road - Phase 1	Humelsine Parkway (Route 199)	Olde Towne Road	\$0.0***	Committed
2045-161	James City County	Longhill Road - Phase 2	Olde Towne Road	Warhill Trail	\$54.9	83

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
2045-16	James City County	Skiffes Creek Connector	Green Mount Parkway	Merrimac Trail (Route 143)	\$18.6	Committed
2045-18	Newport News	Atkinson Boulevard	Jefferson Avenue	Warwick Boulevard	\$7.0	Committed
2045-17	Newport News	Denbigh Boulevard Bridge Replacement	Richneck Road	Trailblazer Boulevard	\$0.02	Committed
2045-19	Newport News	Independence Boulevard	Denbigh Boulevard (Route 173)	Fort Eustis Boulevard	\$0.1	Committed
2045-171	Newport News	J. Clyde Morris Boulevard/George Washington Highway (US 17) Widening	I-64	York County Line	\$21.0	167
2045-176	Newport News	Lucas Creek Road Extension	Denbigh Boulevard (Route 173)	Atkinson Boulevard	\$0.03	117
2045-179	Newport News	Oyster Point Road Widening - Phase I	Operations Drive	Waterman Drive	\$22.0	108
2045-180	Newport News	Oyster Point Road Widening - Phase II	Warwick Boulevard	Radcliff Lane	\$16.0	136
2045-316	Norfolk	Air Terminal Interchange	N/A	N/A	\$186.9	177
2045-603	Norfolk	Hampton Boulevard at Terminal Boulevard	N/A	N/A	\$210.1	190
2045-318	Norfolk	I-264/Ballentine Boulevard Diverging Diamond Interchange	N/A	N/A	\$10.8	139
N/A	Norfolk	St. Paul's Project - Phase II (extension of Freemason Street)	Church Street	Tidewater Drive	\$21.7	N/A
2045-199	Norfolk	Virginia Beach Boulevard	George Street	Newtown Road	\$15.7	111
2045-21	Portsmouth	Churchland Bridge	N/A	N/A	\$24.1	Committed
2045-200	Portsmouth	Elm Avenue	Victory Boulevard (Route 239)	George Washington Highway (US 17)	\$14.7	138
2045-204A	Suffolk	Bridge Road (Route 17)	Windward Lane	Harbour View Boulevard	\$12.8	130
N/A	Suffolk	Godwin Boulevard	Kings Fork Road	Suffolk Bypass (US 460/58/13)	\$15.8	N/A
2045-24	Suffolk	Nansemond Parkway (Route 337) Railroad Overpass	N/A	N/A	\$3.9	Committed
2045-116A	Suffolk	Regional Landfill (SPSA) Flyover	N/A	N/A	\$50.0	126*
2045-22	Suffolk	Route 58 (Holland Road)	Suffolk Bypass	0.7 miles west of Manning Bridge Road	\$20.9	Committed
2045-23	Suffolk	Shoulders Hill Road - Phase 2	Laycock Lane	Bennetts Creek Park Road	\$9.6	76
2045-23	Suffolk	Shoulders Hill Road - Phase 3	Bennetts Creek Park Road	Pughsville Road	\$15.7	76

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
2045-29	Virginia Beach	Centerville Turnpike - Phase 3	Chesapeake City Line	Kempsville Road	\$27.8	Committed
2045-30	Virginia Beach	Centerville Turnpike	Indian River Road	Kempsville Road	\$15.6	Committed
2045-31	Virginia Beach	Cleveland Street - Phase III	Witchduck Road	Clearfield Avenue	\$0.2	Committed
2045-32	Virginia Beach	Cleveland Street - Phase IV	Witchduck Road	Independence Boulevard	\$22.3	Committed
2045-219	Virginia Beach	Dam Neck Road - Phase III	Drakesmile Road	London Bridge Road	\$69.7	142
2045-33	Virginia Beach	Elbow Road/Dam Neck Road	Indian River Road	Virginia Beach Amphitheater	\$27.3	Committed
2045-222	Virginia Beach	Ferrell Parkway	Indian Lakes Boulevard	Indian River Road	\$2.5	Committed
2045-114A	Virginia Beach	Greenbelt Segment - Phase II	Princess Anne Road	Chesapeake City Line	\$78.7	144
2045-114	Virginia Beach	Greenbelt Segment - Phase I	London Bridge Road	Princess Anne Road	\$52.5	172
2045-230	Virginia Beach	Holland Road - Phase III	Rosemont Road	Independence Boulevard	\$98.4	123
2045-234	Virginia Beach	Independence Blvd	Pembroke Boulevard	Virginia Beach Boulevard	\$82.8	139
2045-235	Virginia Beach	Indian River Road	Centerville Turnpike	Ferrell Parkway	\$82.8	151
2045-236	Virginia Beach	Indian River Road	Centerville Turnpike	I-64	\$23.0	148
2045-34	Virginia Beach	Indian River Road - Phase VII-A	Lynnhaven Parkway	Elbow Road	\$0.0***	Committed
2045-240	Virginia Beach	Landstown Road - Phase I	Landstown Centre Way	Landstown Road	\$5.7	Committed
2045-35	Virginia Beach	Laskin Road - Phase IA	Republic Road	Fremac Drive	\$22.8	Committed
2045-244	Virginia Beach	Laskin Road - Phase IB	Laskin Road Bridge	Oriole Drive	\$43.6	139
2045-245	Virginia Beach	Laskin Road - Phase II	Oriole Drive	30th/31st Street	\$27.7	139
2045-246	Virginia Beach	Laskin Road - Phase III	Republic Road	I-264	\$44.9	154
2045-27	Virginia Beach	Laskin Road Bridge Replacement	Laskin Road	Laskin Road	\$7.0	Committed
2045-252	Virginia Beach	Nimmo Parkway - Phase VIIB	Albuquerque Road	Sandbridge Road-Nimmo Parkway	\$58.8	90

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
2045-36	Virginia Beach	Princess Anne Road - Phase VII	Fisher Arch	General Booth Boulevard	\$10.0	Committed
2045-259	Virginia Beach	Rosemont Road - Phase V	Dam Neck Road	Lynnhaven Parkway	\$18.3	Committed
2045-28	Virginia Beach	Sandbridge Road Bridge Replacement	N/A	N/A	\$0.0***	Committed
2045-37	Williamsburg	Capitol Landing Road Corridor Improvements	Bypass Road	Merrimac Trail	\$2.4	Committed
2045-38	Williamsburg	Ironbound Road (Route 615)	Richmond Road (US 60)	DePue Drive (formerly Longhill Connector)	\$5.2	Committed
2045-39	Williamsburg	Lafayette Street	Richmond Road (US 60)	Virginia Avenue	\$5.9	Committed
2045-264	Williamsburg	Monticello Avenue	Richmond Road (US 60)	Treyburn Drive	\$3.9	Committed
2045-265	York County	Commonwealth Drive Extension	George Washington Memorial Highway (US 17)	Commonwealth Drive	\$5.7	109
2045-40	York County	George Washington Memorial Highway (US 17)	Wolf Trap Road	Old York-Hampton Highway	\$19.4	Committed
2045-42	York County	Victory Boulevard (Route 171)	George Washington Memorial Highway (US 17)	Hampton Highway (Route 134)	\$4.2	Committed

### LOCALLY FUNDED ROADWAY PROJECTS (VIRGINIA BEACH)

2045-218	Virginia Beach	Dam Neck Road - Phase II	Holland Road	Drakesmile Road	\$49.6	141
2045-220	Virginia Beach	Drakesmile Road Extended - Phase I	Dam Neck Road	Holland Road	\$21.9	135
2045-227	Virginia Beach	General Booth Boulevard - Phase II	Oceana Boulevard	Dam Neck Road	\$41.7	132
2045-258	Virginia Beach	Rosemont Road	Virginia Beach Boulevard	Holland Road	\$37.8	129
2045-262	Virginia Beach	Shore Drive - Phase II	Pleasure House Road	Treasure Island Drive	\$34.6	128
2045-233	Virginia Beach	Independence Boulevard	Haygood Road	Northampton Boulevard	\$87.5	123
2045-253	Virginia Beach	North Great Neck Road	Virginia Beach Boulevard	Wolfsnare Road	\$46.2	122
2045-217	Virginia Beach	Dam Neck Road - Phase I	Princess Anne Road	Holland Road	\$44.2	122
2045-225	Virginia Beach	First Colonial Road	Old Donation Parkway	Laskin Road	\$74.2	114
2045-248	Virginia Beach	Lynnhaven Parkway	Holland Road	Princess Anne Road	\$105.3	113
2045-221	Virginia Beach	Drakesmile Road Extended - Phase II	Holland Road	Princess Anne Road	\$17.1	113

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
2045-229	Virginia Beach	General Booth Boulevard - Phase IV	London Bridge Road	Nimmo Parkway	\$28.6	109
2045-215	Virginia Beach	Birdneck Road	I-264	Virginia Beach Boulevard	\$19.9	109
2045-223	Virginia Beach	Ferrell Parkway	Indian Lakes Boulevard	Pleasant Valley Road	\$48.0	105
2045-256	Virginia Beach	Princess Anne Road	Providence Road	Salem Road	\$24.2	103
2045-254	Virginia Beach	North Lynnhaven Road	Virginia Beach Boulevard	Lynnhaven Parkway	\$20.8	102
2045-224	Virginia Beach	Ferrell Parkway	Pleasant Valley Road	Salem Road	\$53.7	101
2045-247	Virginia Beach	London Bridge Road	Dam Neck Road	Shipps Corner Road	\$58.2	100
2045-231	Virginia Beach	Holland Road	Dam Neck Road	Rosemont Road	\$98.4	98
2045-216	Virginia Beach	Clearfield Avenue	Virginia Beach Boulevard	Cleveland Street	\$22.0	89
<b>TRANSIT PROJECTS</b>						
2045-510	Multi-jurisdictional	Peninsula High-Capacity Transit	Hampton/ Newport News	Hampton/ Newport News	\$264.5	182
2045-521	Multi-jurisdictional	Enhanced Bus Service/Bus Replacement - WATA	N/A	N/A	\$44.0	N/A
2045-522	Multi-jurisdictional	Enhanced Bus Service/Bus Replacement - Suffolk Transit	N/A	N/A	\$22.0	N/A
<b>ACTIVE TRANSPORTATION PROJECTS</b>						
2045-723	Gloucester County	Gloucester County Multi-use Paths	Beaverdam Park	Main Street	\$3.0	128
2045-725	James City County	Bike Lanes on Centerville Road (connect to Virginia Capital Trail)	John Tyler Highway (Route 5)	Monticello Avenue	\$0.1	116
2045-13	James City County	Pocahontas Trail Reconstruction	James City County Fire Station #2	James River Elementary School	\$27.4	Committed
2045-728	Newport News	Multi-Use Path on 25th Street	Jefferson Avenue	Parish Avenue	\$8.0	146
2045-729	Newport News	Multi-Use Path on 26th Street	Jefferson Avenue	Parish Avenue	\$8.0	147
2045-732	Norfolk	Bike Lanes on Granby Street	West Ocean View Avenue	West Main Street	\$0.0***	Committed
2045-703	Norfolk	E Little Creek Road Bike Path	Norfolk Elizabeth River Trail (Hampton Boulevard)	Virginia Beach City Line (Shore Drive)	\$0.0***	Committed
2045-735	Norfolk	Military Highway Bike Access	N/A	Shopping Areas and Outlet Mall	\$7.3	143

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
2045-738	Portsmouth	High Street - Complete Street Conversion	Chesnut Street	Martin Luther King Freeway Overpass	\$1.1	155
2045-739	Portsmouth	Portsmouth Rail-to-Trail	Churchland Plaza	Old Coast Guard Road	\$0.5	Committed (164)
2045-20	Portsmouth	Westhaven Bicycle Improvements	Clifford Street/Powhatan Avenue	Bart Street/Airline Boulevard	\$0.0***	Committed
2045-752	Virginia Beach	I-264 Pedestrian Land Bridge/Flyover	Thalia Creek Greenway	Mount Trashmore Park	\$17.1	152
2045-745	Virginia Beach	Northampton Boulevard Shared Use Path	Bayside Road	Greenwell Road	\$1.4	148
2045-25	Virginia Beach	Sandbridge Road - Nimmo Parkway Bike Lanes/Shared Use Path	Sandpiper Road	1.10 miles west of Sandpiper Road	\$4.9	Committed
2045-748	Virginia Beach	Thalia Creek Greenway - Phase IV	Constitution Drive	Virginia Beach Trail	\$3.6	153
2045-749	Virginia Beach	Thalia Creek Greenway - Phase V	Virginia Beach Trail	Virginia Beach Boulevard	\$3.6	152
2045-750	Virginia Beach	Thalia Creek Greenway - Phase VI	Constitution Drive	I-264	\$17.1	145
2045-26	Virginia Beach	Violet Bank Drive Bike Trail	Kittery Drive	Selwood Drive	\$0.0***	Committed
2045-754	Williamsburg	Monticello Avenue Shared-Use Path	Treyburn Drive	Ironbound Road (Route 615)	\$0.6	Committed
2045-755	Williamsburg	Strawberry Plains Road Shared Use Path	Ironbound Road	John Tyler Lane	\$2.8	122
2045-756	York County	Penniman Road Sidewalk/Multi Use Path	Williamsburg City Line	Marquis Center Parkway (Route 199)	\$1.6	117
2045-757	York County	Victory Boulevard Shared Use Path I	Tabb High School	Hampton Highway (Route 134)	\$0.5	82
2045-759	York County	Victory Boulevard Shared Use Path II	Big Bethel Road (Route 600)	Carys Chapel Road (Route 762)	\$0.7	83
2045-758	York County	Yorktown Road Shared Use Path	Cardinal Lane (Route 670)	Victory Boulevard (Route 171)	\$0.7	96

## CURRENT 2045 LRTP LIST OF PROJECTS (AS OF FEBRUARY 16, 2023)

2045 PROJECT ID	JURISDICTION	PROJECT NAME	FROM	TO	ESTIMATED PROJECT COST TO COMPLETE, IN MILLIONS (YEAR OF EXPENDITURE)	TOTAL PRIORITIZATION SCORE
<b>PLANNED REGIONAL STUDIES</b>						
<b>ROADWAY</b>						
2045-51	Multi-jurisdictional	Regional Connectors Study	Peninsula	Southside	Study cost \$7	N/A
2045-1A	Multi-jurisdictional	Chesapeake Bay Bridge-Tunnel: Parallel Chesapeake Tunnel Study (Preliminary Engineering)	Virginia Beach	Northampton County	Study cost \$4.8	N/A
2045-127	Chesapeake	Centerville Turnpike - Phase 1 Study	Mount Pleasant Road	Elbow Road	Study cost: \$6.8	125
2045-311	Hampton	I-64/LaSalle Avenue Study	I-64 (Westbound)	LaSalle Avenue	Study cost: \$1	153
2045-312	Hampton	I-64/N King Street Study	N/A	N/A	Study cost: \$1	153
2045-604	Portsmouth	Craney Island Access Road Study (Preliminary Engineering)	VA 164 and Median Rail	Future Craney Island Marine Terminal	Study cost: \$50	161
<b>TRANSIT</b>						
2045-504/513	Multi-jurisdictional	Ferry Service Expansion Study	Southside	Peninsula	Study cost: \$5	178/144
2045-516	Chesapeake	High Capacity Transit Extension to Greenbrier Area Study	Existing Service Locations	Greenbrier Area	Study cost: \$5	173
2045-518	Norfolk	Naval Station Norfolk Transit Extension Study	Existing Tide Light Rail	Naval Station Norfolk	Study cost: \$20	180

\*\*\*Projects with zero balance cost to complete are constrained with funds prior to 2021

# APPENDIX

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## OCTOBER 2021 PUBLIC NOTICE

### PUBLIC NOTICE

#### Hampton Roads 2045 Long-Range Transportation Plan: Proposed Amendments

As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is responsible for developing and maintaining the region's Long-Range Transportation Plan (LRTP). On June 17, 2021, the HRTPO adopted the Hampton Roads 2045 LRTP. Part of maintaining the LRTP includes considering amendments to the Plan as new projects, funding, or programs arise.

Proposed amendments to the 2045 LRTP have been submitted to HRTPO staff, which can be viewed using the link below:

<https://www.hrtpo.org/uploads/docs/100621%20TTAC%2008%202045%20Long-Range%20Transportation%20Plan%20-%20Proposed%20Amendments.pdf>

The current 2045 LRTP, documented through a series of reports, can be viewed via the link below:

[https://www.hrtpo.org/page/2045-long\\_range-transportation-plan/](https://www.hrtpo.org/page/2045-long_range-transportation-plan/)

The amendment process includes an opportunity for public review and comment. All interested parties are encouraged to review the proposed amendments and send comments to Ms. Dale M. Stith, Principal Transportation Planner, at [dstith@hrtpo.org](mailto:dstith@hrtpo.org) or by mail to 723 Woodlake Drive, Chesapeake, Virginia 23320 by close of business on **October 13, 2021**.

## PUBLIC NOTICE

### Hampton Roads 2045 Long-Range Transportation Plan: Proposed Amendments

As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is responsible for developing and maintaining the region's Long-Range Transportation Plan (LRTP).

The current Hampton Roads 2045 LRTP was adopted on June 17, 2021 and amended in October 2021. Since Hampton Roads is in attainment for the National Ambient Air Quality Standards (NAAQS), the LRTP is updated on a five-year cycle; therefore, the 2045 LRTP will remain in effect until June 2026. During this time, the amendment process provides an avenue to update the LRTP as new projects, funding, or programs arise.

Proposed amendments to the 2045 LRTP have been submitted to HRTPO staff, summarized below.

#### **HRTAC 2045 Long Range Plan of Finance – June 2022 Update Amendment**

- On June 16, 2022, the HRTAC approved an updated HRTAC 2045 Long Range Plan of Finance (Attachment 11-B) for Highway Regional Priority Projects already identified in the Amended 2045 LRTP. Many project cost increases reflected in the HRTAC update are significant and therefore trigger an amendment to the 2045 LRTP.
- HRTAC has identified new funding assumptions to cover the increase in cost estimates, which has been confirmed by VDOT staff where appropriate. Therefore, fiscal constraint has been demonstrated. Some project assumptions differ between the amended 2045 LRTP and the updated HRTAC 2045 Long Range Plan of Finance, which are noted in footnotes in Attachment 11-A (e.g., differences in opening year assumptions and inclusion of maintenance in cost estimate). These differences were communicated and coordinated between VDOT, HRTAC, and HRTPO staffs.
- The projects with updated project cost estimates/opening year assumptions are regionally significant and were captured in the previous Regional Conformity Assessment (RCA).

#### **I-64 Peninsula Widening – Segment 4 Amendment**

- Project will widen I-64 one lane in each direction from 1.15 miles west of Route 199 (Exit 234) where I-64 Peninsula Widening – Segment 3 ends to the New Kent County Line. Project will improve safety, reliability, and will help to improve connectivity between Hampton Roads and Richmond.
- Estimated year-of-expenditure project cost is \$250 Million with an estimated project opening year of 2028. Project funding assumptions include various State funds (includes allocations from the General Assembly, Commonwealth Transportation Board, and other regional authorities). Assumed funding sources are new to the 2045 LRTP and will sufficiently cover the estimated project cost thereby demonstrating fiscal constraint.
- Project is considered regionally significant and therefore will be subject to an RCA.

## JULY 2022 PUBLIC NOTICE (CONTINUED)

### Bridge Road (Route 17) Amendment

- Project will provide improvements along the Bridge Rd (Route 17) corridor from 0.10 miles west of Windward Lane to Harbour View Blvd. Improvements include the widening and extension of travel lanes in both directions, and the addition/improvement of turn lanes. Project will also replace two traffic signals. Additional bicycle and pedestrian accommodations will be extended on the east side of Bridge Road (Route 17) to close the gap between Harbour View Boulevard and Breezeport Way.
- Estimated year-of-expenditure project cost is \$12.8 Million with an estimated project opening year of 2027. Project funding is a combination of Priority Transportation Funds and local funding. Assumed funding sources are new to the 2045 LRTP and will sufficiently cover the estimated project cost thereby demonstrating fiscal constraint.
- Project is considered regionally significant and therefore will be subject to an RCA.

The links below provide supporting information:

- [Table Summary of Proposed Amendments to 2045 LRTP](#)
- [HRTAC 2045 Long Range Plan of Finance – June 2022 Update](#)
- [I-64 Peninsula Widening Amendment Request](#)
- [Bridge Road \(Route 17\) Amendment Request](#)

The current 2045 LRTP, documented through a series of reports, can be viewed via the link below:

[https://www.hrtpo.org/page/2045-long\\_range-transportation-plan/](https://www.hrtpo.org/page/2045-long_range-transportation-plan/)

The amendment process includes an opportunity for public review and comment. All interested parties are encouraged to review the proposed amendments and send comments to Ms. Dale M. Stith, Principal Transportation Planner, at [dstith@hrtpo.org](mailto:dstith@hrtpo.org) or by mail to 723 Woodlake Drive, Chesapeake, Virginia 23320 by close of business on **July 12, 2022**.

### PUBLIC NOTICE

#### **Hampton Roads 2045 Long-Range Transportation Plan: Proposed Amendments**

As the federally designated Metropolitan Planning Organization for Hampton Roads, the Hampton Roads Transportation Planning Organization (HRTPO) is responsible for developing and maintaining the region's Long-Range Transportation Plan (LRTP).

The current Hampton Roads 2045 LRTP was adopted on June 17, 2021 and last amended in July 2022. Since Hampton Roads is in attainment for the National Ambient Air Quality Standards (NAAQS), the LRTP is updated on a five-year cycle; therefore, the 2045 LRTP will remain in effect until June 2026. During this time, the amendment process provides an avenue to update the LRTP as new projects, funding, or programs arise.

Proposed amendments to the 2045 LRTP have been submitted to HRTPO staff, summarized below.

## FEBRUARY 2023 PUBLIC NOTICE (CONTINUED)

### Norfolk: Virginia Beach Boulevard Amendment (UPC 115244)

- Project will remove service lanes/widen along Virginia Beach Boulevard into a 6-lane section from George Street to Newtown Road. Project will also include an improved intersection at Virginia Beach Boulevard and George Street, pedestrian safety, lighting, and landscaping.
- Estimated year-of-expenditure project cost is \$15.7 Million with an estimated project opening year of 2030. This project was selected for funding as part of SMART SCALE ROUND 3, so funding assumptions include various Federal and State funds. 2045 LRTP funding assumption reserves are sufficient to cover the estimated project cost thereby demonstrating fiscal constraint.
- Project is considered regionally significant and therefore will be subject to a Regional Conformity Assessment (RCA).



### Virginia Beach Blvd NORFOLK

- Remove service lanes/widen into 6-lane section from George Street to Newtown Road (UPC 115244). Project will include improved intersection and pedestrian enhancements.
- Estimated Cost: \$15.7 Million (YOE)
  - Various Federal/State Funds (SMART SCALE R3)
  - Fiscal constraint demonstrated
- Estimated opening year: 2030
- Subject to transportation conformity

## FEBRUARY 2023 PUBLIC NOTICE (CONTINUED)

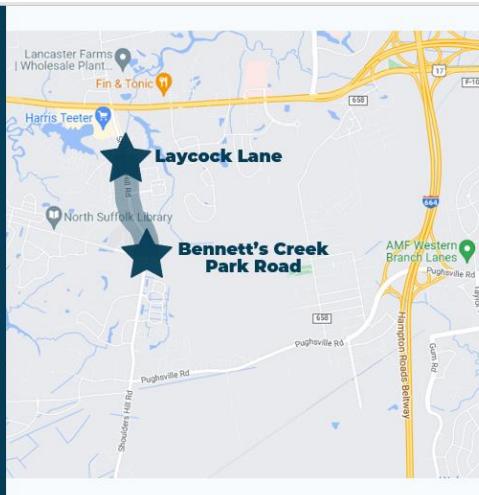
### Suffolk: Shoulders Hill Road Widening – Phase 2 Amendment (UPC 121102)

- Project will widen Shoulders Hill Road 2 to 4 lanes between Laycock Lane and Bennetts Creek Park Road.
- Estimated year-of-expenditure project cost is \$9.6 Million with an estimated project opening year of 2031. Project funding is a combination of Revenue Sharing (\$3.2 Million) and local funding (\$6.4 Million). Assumed funding sources are new to the 2045 LRTP and will sufficiently cover the estimated project cost thereby demonstrating fiscal constraint.
- Project is considered regionally significant and therefore will be subject to an RCA.

### Shoulders Hill Road – Phase 2

#### SUFFOLK

- Widen 2 to 4 lanes between Laycock Lane and Bennetts Creek Park Road (UPC 121102)
- Total estimated cost: \$9.6 Million (YOE)
  - \$3.2 Million Revenue Sharing
  - \$6.4 Million City of Suffolk
  - Fiscal constraint demonstrated
- Estimated project opening year: 2031
- Subject to transportation conformity



## FEBRUARY 2023 PUBLIC NOTICE (CONTINUED)

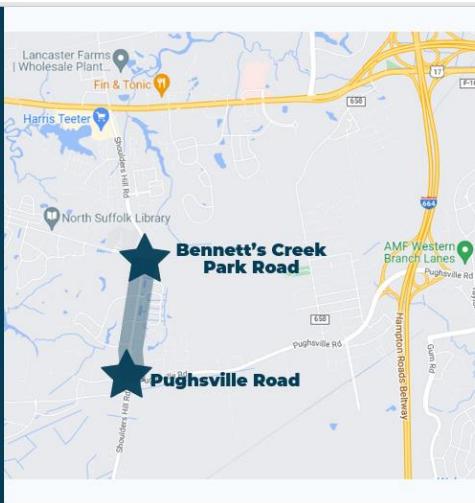
### Suffolk: Shoulders Hill Road Widening – Phase 3 Amendment (UPC 121101)

- Project will widen Shoulders Hill Road 2 to 4 lanes between Bennetts Creek Park Road and Pughsville Road.
- Estimated year-of-expenditure project cost is \$15.7 Million with an estimated project opening year of 2033. Project funding is a combination of Revenue Sharing (\$1.6 Million) and local funding (\$14.1 Million). Assumed funding sources are new to the 2045 LRTP and will sufficiently cover the estimated project cost thereby demonstrating fiscal constraint.
- Project is considered regionally significant and therefore will be subject to an RCA.

### Shoulders Hill Road – Phase 3

#### SUFFOLK

- Widen 2 to 4 lanes between Bennett's Creek Park Road and Pughsville Road (UPC 121101)
- Total estimated cost: \$15.7 Million (YOE)
  - \$1.6 Million Revenue Sharing
  - \$14.1 Million City of Suffolk
  - Fiscal constraint demonstrated
- Estimated project opening year: 2033
- Subject to transportation conformity



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The amendment process includes an opportunity for public review and comment. All interested parties are encouraged to review the proposed amendments and send comments to Ms. Dale M. Stith, Principal Transportation Planner, at [dstith@hrtpo.org](mailto:dstith@hrtpo.org) or by mail to 723 Woodlake Drive, Chesapeake, Virginia 23320 by close of business on **February 7, 2023**.