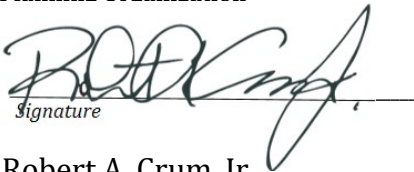


CERTIFICATION OF THE TRANSPORTATION PLANNING AND PROGRAMMING PROCESS

The Hampton Roads Transportation Planning Organization, Virginia Department of Transportation, and Virginia Department of Rail and Public Transportation hereby certify that the conduct of the metropolitan planning and programming process complies with all applicable requirements as listed below, and that this process includes activities that support the development and implementation of the Long-Range Transportation Plan and associated Air Quality Conformity Determination (as applicable), the Transportation Improvement Program and associated Air Quality Conformity Determination (as applicable), and the Unified Planning Work Program.

1. 23 U.S.C. 134, 49 U.S.C. 5303, and 23 CFR part 450.336 (a);
2. Sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
3. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
4. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
5. Section 1101(b) of the FAST Act (Pub. L. 114-357 and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
6. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
7. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 49 CFR parts 27, 37, and 38;
8. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
9. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
10. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

**Hampton Roads Transportation
Planning Organization**


Signature

Robert A. Crum, Jr.

Printed Name

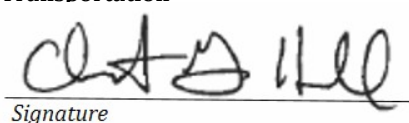
Executive Director

Title

7/8/2020

Date

**Virginia Department of
Transportation**


Signature

Christopher G. Hall

Printed Name

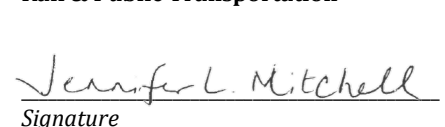
Hampton Roads District Engineer

Title

7/8/2020

Date

**Virginia Department of
Rail & Public Transportation**


Signature

Jennifer Mitchell

Printed Name

Director

Title

7/8/2020

Date

ACCOMPLISHMENTS REPORT

The following HRTPO initiatives and accomplishments have been achieved since the previous self-certification in April 2017 through regional transportation planning and programming processes.

Ongoing Activities:

1. **Long-Range Transportation Plan (LRTP)** - The Long-Range Transportation Plan (LRTP) is the blueprint for the region's multimodal transportation development and identifies all regionally significant transportation projects for the Hampton Roads metropolitan area. The LRTP has a planning horizon of at least 20 years and is updated every five years to reflect changing conditions such as new planning priorities, population projections, economic change, and anticipated travel demand. The public is engaged at every stage throughout the development of the plan. The current 2040 LRTP for Hampton Roads (<http://hrtpo.org/page/2040-long-range-transportation-plan/>) was approved by the HRTPO Board in July 2016. Since 2016, HRTPO staff has been coordinating with regional stakeholders on the next update to the LRTP, which has a horizon year of 2045. Efforts to date related to the 2045 LRTP are documented on the HRTPO website: <https://www.hrtpo.org/page/2045-long-range-transportation-plan/>
2. **Transportation Improvement Program (TIP)** - In an effort to improve the transparency of the TIP as well as enhance the capability of HRTPO staff to monitor the status of projects in Hampton Roads, staff updated the TIP format in 2017. The current format significantly improves access to project information, including funding allocations, scheduled obligations, and expenditures. In addition, the TIP website (www.hrtpotip.org) was updated to provide easier access to TIP information with a more robust project information search tool. A full update of the TIP (FY 2021-2024) was approved by the HRTPO Board in May 2020.
3. **Congestion Management Process** - The Congestion Management Process (CMP) is an on-going process that identifies congested locations, determines the causes of congestion, ranks the most congested segments, and develops transportation strategies to reduce traffic congestion and enhance safety and mobility regionwide. The HRTPO is currently updating the CMP Report, with Part I - Introduction and System Monitoring being approved by the HRTPO Board in May 2020. Part II - System Performance and Part III - Congestion Mitigation will be released by the HRTPO in late 2020.
4. **Regional Performance Measures and Targets** - The Moving Ahead for Progress in the 21st Century (MAP-21) surface transportation legislation established a performance-and outcome-based program. As part of this program, MAP-21 and the current Fixing America's Surface Transportation (FAST) Act legislation require that States and Metropolitan Planning Organizations (MPOs) prepare and use a set of

federally-established performance measures that are tied to the national performance goals. Each MPO must set regional targets in the areas of roadway safety, Transit Asset Management, pavement condition, bridge condition, roadway performance, and freight.

Setting HRTPO targets is a collaborative effort. The Transportation Technical Advisory Committee (TTAC) recommends targets for the HRTPO Board to consider. In order to assist the TTAC, the committee formed a Performance Measure Working Group. This Working Group includes staff from localities, transit agencies, VDOT, and subject-matter experts.

The Regional Performance Measures – System Performance Report includes a description of the methodology used to calculate each measure, historical data trends for each of the areas, information on statewide targets, a description of the targets that have been established by the HRTPO, and the progress being made towards meeting the established targets. This report is updated on an annual basis to reflect updated targets as well as progress towards meeting the established targets. The initial System Performance Report was approved by the HRTPO Board in April 2019, and the updated report was approved in July 2020.

5. **Operations Strategy** – With the 2004 Hampton Roads Intelligent Transportation System Strategic Plan becoming dated, the HRTPO Board allocated funds in 2014 for an update to the plan. The first phase of the new plan – the Hampton Roads Transportation Operations Strategy – was completed in May 2016. The initial task of the Operations Strategy was to identify the Regional Vision for Transportation System Management and Operations (TSM&O), assess each individual locality's TSM&O capabilities, and identify the challenges and opportunities of the localities and the region in developing a TSM&O strategy. Subsequent reports have been completed based on the Operations Strategy, including Corridors of Regional Significance, Common Controller Standard Migration Assessment for Regional Signal System Operators, and Regional Traffic Operations Center – Expanded Analysis.
6. **Updates to the HRTPO Project Prioritization Tool** – Evaluation criteria for the HRTPO Project Prioritization Tool are based on the current regional vision and can be modified to address changing regional priorities. In 2017, per the direction of the LRTP Subcommittee, HRTPO staff initiated a formal process to review and update the Project Prioritization Tool to incorporate feedback received from regional stakeholders as well as ensure continued alignment with Federal and State planning factors. Recommended enhancements to the Tool have been developed through a collaborative process with various HRTPO committees and regional stakeholders. These efforts are documented on the HRTPO Project Prioritization webpage: <https://www.hrtpo.org/page/project-prioritization/>
7. **Hampton Roads 2045 Long-Range Transportation Plan: Scenario Planning efforts** – The HRTPO is applying scenario planning to the 2045 LRTP, in coordination

with another regional effort, the Regional Connectors Study. As part of this, several webinars describing the methodology for establishing the framework, assumptions, and data tools that will be used to conduct scenario planning have been presented. These efforts are documented on the 2045 LRTP Scenario Planning webpage: https://www.hrtpo.org/page/2045-long_range-transportation-plan:-scenario-planning/

8. **Regional Connectors Study** – The HRTPO kicked-off the Regional Connectors Study in June 2018. The study will focus on Hampton Roads connectivity through the lenses of congestion relief, economic vitality, resiliency, accessibility, and quality of life. Some aspects of the RCS are being coordinated with the 2045 LRTP update. Products produced as a part of this effort can be found on the RCS webpage: <https://connectorstudy.org/>
9. **Public Participation** – The HRTPO employs a number of strategies to engage the public in the regional transportation planning process, including the HRTPO website, a Community Guide to Transportation Planning (formerly Citizens Guide to Transportation Planning), the Community Advisory Committee, the Environmental Justice Roundtable, Facebook and Twitter, special surveys, library outreach, school outreach, and public meetings. These strategies are documented in the HRTPO **Public Participation Plan**. The most recent version of the Plan was approved by the HRTPO Board in November 2018 and updated in 2020. The original **Citizens Guide to Transportation Planning**, which provides the residents of Hampton Roads with a compact view of the HRTPO, its programs and projects and provides a step by step guide to becoming involved in the transportation planning process, was approved by the HRTPO Board in 2011. The updated Guide was approved by the HRTPO Board in November 2018. It is slated to be approved by the HRTPO board in 2020. Specific activities include:
 - a. **Extensive Public Outreach for 2045 LRTP** – The HRTPO staff conducted extensive public outreach during the development of the 2045 LRTP. Efforts included a region wide, four-month survey process that resulted in over 18,000 engagements, an updated LRTP Public Involvement Page on the HRTPO website, over 160 meetings with area civic groups on the development of the 2040 LRTP, and public opportunities to gain input on the 2045 LRTP Vision and Goals as well as candidate projects.
 - b. **Extensive Public Outreach for the FY 2021-2024 TIP** – The HRTPO staff conducted extensive public outreach during the development of the FY 2021-2024 TIP. Efforts include postings on the HRTPO website, Facebook, and Twitter; as well as Facebook campaign to help educate the public on the TIP and provide another invitation for comments on the document. In the Facebook campaign – which ran 37,776 times from March 1, 2020 through March 30, 2020 – 16,385 individuals clicked on the ad and were taken to the

HRTPO TIP Education Webpage specifically created for this effort. Of those 16,385 individuals, 1,703 downloaded the Draft FY 2021 -2024 TIP.

10. Title VI, Environmental Justice, and Limited English Proficiency – The HRTPO strives to assure compliance with the rules and regulations associated with Title VI of the Civil Rights Act of 1964 and subsequent nondiscrimination laws, Executive Order 12898 on Environmental Justice (EJ), and Executive Order 13166 on Limited English Proficiency (LEP). The measures taken by the HRTPO to assure compliance are documented in the HRTPO **Title VI and LEP Plan**. The most recent version of the Plan was approved by the HRTPO Board in June 2017. Specific activities include:

- a. **Environmental Justice Database** – The HRTPO has developed a database of over 400 EJ groups throughout the region. These groups are communicated with regularly, via project updates, media releases, and meeting invitations.
 - b. **EJ Roundtable** – The EJ Roundtable was established in March of 2012 in order to discuss the unique role that transportation plays in the diverse communities that make up our Hampton Roads. The group meets to share knowledge and opinions that help the HRTPO make the best possible decisions about transportation planning, the way in which we communicate with and gain feedback from the public, and how to best create a transparent, inclusive process, here in Hampton Roads.
 - c. **Development of Title VI/Environmental Justice Methodology** – The HRTPO staff developed a methodology by which a candidate LRTP project could be assessed and graded with respect to potential disparate impacts to Environmental Justice communities.
- 11. Legislative Agenda** – The HRTPO Board developed and approved a list of legislative priorities for the first time in October 2010, to form the 2011 Legislative Agenda for the purpose of conveying the information to the Virginia General Assembly (GA) for its review, consideration, and approval for the 2011 GA session. The Board has developed and approved a Legislative Agenda every year since.

Other Activities and Documents:

1. **CMAQ/RSTP Project Selection Process 2016 (Apr 2017)** – This report summarizes the work of selecting CMAQ and RSTP projects during the 2016 CMAQ/RSTP Project Selection Process.
2. **Birthplace of America Trail Study (Jul 2017)** – HRTPO and VDOT oversaw the development of an alignment for two multi-use trails- one connecting the existing Va. Capital Trail (VCT) with Ft. Monroe, and the other connecting the VCT with the western end of the proposed South Hampton Roads Trail.

3. **Hampton Roads Regional Freight Study (Jul 2017)** – Over the last couple of decades, the HRTPO has engaged in numerous important freight planning activities. This included the development of the Hampton Roads Regional Freight Study, which serves as a comprehensive resource document on the Hampton Roads multimodal transportation system.
4. **Hampton Roads 2040 Rural-Long-Range Transportation Plan (RLRTP) (Sep 2017)** – This report is a financially unconstrained vision plan, serving as a blueprint to address the needs of the transportation system for the rural localities of the City of Franklin and Southampton County. The 2040 RLRTP update provides guidance and information to decision makers on which transportation recommendations to advance and helps position the rural localities for SMART SCALE and other potential funding opportunities.
5. **Identifying Candidate Streets for Conversion from One-Way to Two-Way (Oct 2017)** – For the benefit of the HRTPO member cities, HRTPO staff prepared this study to identify specific opportunities for converting one-way streets to two-way operation.
6. **State of Transportation in Hampton Roads 2017 (Oct 2017)** – This report details the current status of all facets of the transportation system in Hampton Roads. Many aspects of the highway system are highlighted, including roadway usage, bridge conditions, costs of congestion, commuting characteristics, roadway safety, truck data, transit usage, bicycle and pedestrian facilities, highway funding, and operations.
7. **Hampton Roads 2040 Long-Range Transportation Plan: Summary Brochure (Nov 2017)** – The 2040 LRTP is documented in a series of reports detailing the multi-year development process. HRTPO staff developed this brochure summarizing plan highlights.
8. **Moving the Economy (Nov 2017)** – HRTPO staff prepared this study to inform the HRTPO Board how well the transportation system of Hampton Roads serves three key economic sectors—port, military, and hospitality.
9. **Amazon HQ2 & Rail Transit (Feb 2018)** – HRTPO staff measured the statistical importance of rail transit in Amazon’s selection of 20 finalists for its second headquarters (and successfully identified NYC and Washington DC as the top candidates for the ultimate selection).
10. **Highway Gateways used by Port Trucks (Mar 2018)** – HRTPO staff used StreetLight data to identify those highway routes port-related trucks primarily use to enter and exit Hampton Roads.
11. **Hampton Roads Regional Bridge Study (May 2018)** – This 2018 update of the Hampton Roads Regional Bridge Study builds on the 2007 study and the update

released in 2012. The anticipated cost of maintaining bridges through 2045 is included in this update.

12. **CMAQ/RSTP Project Selection Process 2017 (May 2018)** – This report summarizes the work of selecting CMAQ and RSTP projects during the 2017 CMAQ/RSTP Project Selection Process.
13. **Hampton Roads Military Transportation Needs Study – 2018 Update (Jul 2018)**
– The overall purpose of this study is to determine military transportation needs and to provide an efficient and safe transportation network for the military in Hampton Roads.
14. **Hampton Roads 2015 Socioeconomic Data by Transportation Analysis Zone (Jul 2018)** – This report contains base year (2015) socioeconomic data by Transportation Analysis Zone for the Hampton Roads region to be used in the regional Travel Demand Model and transportation planning analyses.
15. **Candidate Segments for Road Diets in Hampton Roads (Jul 2018)** – To help localities find roads to investigate for a possible road diet, HRTPO staff determined the criteria defining situations in which road diets may be desirable, and then prepared a database and maps providing information based on those criteria for existing 4-lane undivided segments with suitable traffic volumes in Hampton Roads.
16. **Hampton Roads Regional Land Use Data Update (2018)** – As part of the development of the 2045 LRTP, HRTPO staff coordinated with regional stakeholders to update the existing and future regional land use datasets. These updated datasets are available on the Hampton Roads Geospatial Exchange Online (HRGEO) data portal: <https://www.hrgeo.org/>
17. **State of Transportation in Hampton Roads 2018 (Nov 2018)** – This report details the current status of all facets of the transportation system in Hampton Roads. Many aspects of the highway system are highlighted, including roadway usage, bridge conditions, costs of congestion, commuting characteristics, roadway safety, truck data, transit usage, bicycle and pedestrian facilities, highway funding, and operations.
18. **Hampton Roads 2045 Socioeconomic Forecast and Transportation Analyses Zone Allocation (Feb 2019)** – This report contains the horizon year (2045) socioeconomic data forecast and allocation to Transportation Analysis Zones for the Hampton Roads region to be used in the regional Travel Demand Model and transportation planning analyses.
19. **HRTPO Regional Performance Measures (RPMs) FY19 Update (Apr 2019)** – This report documents the historical values and current targets for the HRTPO Regional Performance Measures that were developed in response to Virginia HB30 (2010).

- 20. Economic Impact of Bicycle Facilities in Hampton Roads- Phase One: Literature Review, Benchmarking, and Analysis of Existing Data (Apr 2019)** – In order to measure economic impact of bicycle facilities, HRTPO staff conducted a literature review, which served as a guide for this study, and then prepared benchmarking criteria, chose competitor cities (with the help of project steering team), and did an analysis of existing data including: path length, number of bike shops, bicycle event spending.
- 21. CMAQ/RSTP Project Selection Process 2018 (Apr 2019)** – This report summarizes the work of selecting CMAQ and RSTP projects during the 2018 CMAQ/RSTP Project Selection Process.
- 22. Southampton County Active Transportation Plan (Apr 2019)** – The purpose of this plan is to provide Southampton County with a resource to help pursue future opportunities for active transportation improvements that meet commuting and recreational needs.
- 23. Isle of Wight County Transportation Study (July 2019)** – The purpose of this report is to assist Isle of Wight County officials with the transportation section of their Comprehensive Plan update.
- 24. State of Transportation in Hampton Roads 2019 (Oct 2019)** – This report details the current status of all facets of the transportation system in Hampton Roads. Many aspects of the highway system are highlighted, including roadway usage, bridge conditions, costs of congestion, commuting characteristics, roadway safety, truck data, transit usage, bicycle and pedestrian facilities, highway funding, and operations.
- 25. Current Status of the Birthplace of America Trail (Nov 2019)** – To further the construction of the Birthplace of America Trail, HRTPO staff categorized sections of the Birthplace of America Trail study as Unfunded, Funded, Interim and Complete.
- 26. Guide for Adding Historical Markers to the Birthplace of America Trail (Nov 2019)** – The purpose of this document is to guide the developers of segments of the Birthplace of America Trail (VDOT, localities, etc.) in the inclusion of historical markers in segment construction.
- 27. Impact of HOT Lane Operations- Lessons from I-64 Reversible Lanes (Nov 2019)**
– The purpose of this analysis is to observe the impact of the January 10, 2018 change in the operation of the I-64 reversible lanes in Norfolk:
- during original managed hours: change from HOV operation to HOT operation
 - during additional managed hours: change from unrestricted operation to HOT operation.
- The analysis uses vehicle volumes and speeds to measure the impact of these changes.

28. **Hampton Roads Travel Demand Model Update (Jan 2020)** – Working with VDOT and its consultants, HRTPO staff updated the regional Travel Demand Model. In addition to updated Transportation Analysis Zones and network improvements, the updated model has improved mode choice, toll components, and the ability to apply exploratory planning to investigate potential impacts of connected and automated vehicles on the transportation network.
29. **Rail Planning (Jan 2020)** – HRTPO staff prepared ten alternative service designs (destinations, timing, frequency, etc.) for the proposed 3rd train for Norfolk.
30. **Linking Hampton Roads- A Regional Active Transportation Plan (Mar 2020)** – The purpose of this regional plan is to provide a clear structure for the development of new facilities, programs, and policies that will link our region by developing greater active transportation facilities and promote active and healthy lifestyles throughout the region.
31. **Hampton Roads 2040 Long-Range Transportation Plan: Amendments (May 2020 Update)** – This report summarizes amendments to the Hampton Roads 2040 LRTP. The latest amendment was approved by the HRTPO Board at its May 21, 2020 meeting.
32. **Hampton Roads 2045 Long-Range Transportation Plan: Regional Needs (Jul 2020)** – This report summarizes the visioning process as well as the collection and spatial analysis of candidate projects being considered for inclusion in the 2045 LRTP.
33. **Hampton Roads 2045 Long-Range Transportation Plan: Title VI/Environmental Justice Candidate Project Evaluation (Jul 2020)** – This report documents the assessment of 2045 LRTP candidate projects using the HRTPO Title VI/Environmental Justice Methodology.
34. **Economic Impact of Bicycle Facilities in Hampton Roads- Phase Two: Visitor Spending in Hampton Roads due to Virginia Capital Trail (Jul 2020)** – The impetus of this report is to estimate the annual amount of money spent locally by visitors drawn to Hampton Roads by the Virginia Capital Trail (VCT). A survey was done to determine the annual visitor spending. An estimate of annual visitor spending was calculated by multiplying average factored spending, the number of annual trail users, and the percentage of eligible respondents. Based on this calculation, it is estimated that approximately \$3 million per year is spent in Hampton Roads by visitors drawn to the region by the Virginia Capital Trail.