

AGENDA

**2045 Long-Range Transportation Plan Advisory Committee (LRTP-AC)
Monday, December 9, 2019
9:00 a.m.**

PlanRVA
James River Board Room
9211 Forest Hill Avenue, Suite 200
Richmond, Virginia 23235

1. **Welcome and Introductions** (*Parsons/10 minutes*)
2. **Recommendation for Committee Chair and Vice Chair** (*Parsons/5 minutes*)
ACTION REQUESTED to approve leadership

Staff recommendation is to have a locality TAC representative as LRTP-AC Chair and CTAC representative as Vice-Chair
3. **Public Comment Period** (*Chair/10 minutes*)
4. **Overview of the Advisory Committee and Ground Rules** (*Parsons/ 25 minutes*)
ACTION REQUESTED to adopt ground rules
5. **Federal Regulatory Framework** (*Aryal/10 minutes*)
6. **LRTP Scope of Work** (*Aryal/15 minutes*)
ACTION REQUESTED to approve scope of work
7. **LRTP Schedule and Key Milestones** (*Aryal/15 minutes*)
ACTION REQUESTED to approve schedule and milestones
8. **LRTP Branding** (*Parsons/5 minutes*)
ACTION REQUESTED to approve theme and logo
9. **LRTP Public Engagement Plan** (*Parsons/15 minutes*)
ACTION REQUESTED to approve public engagement plan framework
10. **Next Meeting** (*Chair/5 Minutes*)

January 23, 2020 – 9:00 AM

Staff recommendation is to have the regularly scheduled LRTP-AC meeting on the fourth Thursday of every month and, if required, have additional meetings as needed.

Item 5. Federal Regulatory Framework

The Long-Range transportation Plan (LRTP) serves as a multi-modal blueprint for the Richmond Region's transportation network. The LRTP is a long-term transportation planning document with a horizon of 20 plus years, in contrast to the RRTPO's Transportation Improvement Program (TIP), which is a four-year programming document.

The Federal Planning Regulations of the Federal Transit Administration (FTA) and the Federal Highway Administration (FHWA) implementing the FAST Act, which became effective June 27, 2016, specify the development and content of the LRTP and require that it be reviewed and updated at least every four to five years as applicable. Based on the Code of Federal Regulation § 450.324 the following includes applicable federal requirements to the RRTPO. RRTPO intends to address/incorporate all these requirements during its LRTP planning process.

1. The long-range transportation plan ("plan") has no less than a 20-year planning horizon.
2. The plan includes both long-range and short-range strategies/actions that provide for the development of a safe and integrated multimodal transportation system to address current and future transportation demand.
3. The MPO, the State(s), and the public transportation operator(s) shall validate data used in preparing other existing modal plans for providing input to the plan. The Plan shall use the latest available estimates and assumptions for population, land use, travel, employment, congestion, and economic activity. The Plan shall include current and projected transportation demand of persons and goods to the horizon year of the plan.
4. The MPO planning process shall provide for the implementation of projects and strategies that address the following planning factors:
 - i. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
 - ii. Increase the safety of the transportation system for motorized and non-motorized users;
 - iii. Increase the security of the transportation system for motorized and non-motorized users;
 - iv. Increase accessibility and mobility of people and freight;
 - v. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
 - vi. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
 - vii. Promote efficient system management and operation;
 - viii. Emphasize the preservation of the existing transportation system;
 - ix. Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
 - x. Enhance travel and tourism
5. The plan shall include existing and proposed transportation facilities that serve important national and regional transportation functions over the period of the transportation plan.

6. The plan shall include a description of the performance measures and performance targets used in assessing the performance of the transportation system, and a report on progress achieved in meeting the performance targets.
7. The plan shall include operational and management strategies to improve the performance of existing transportation facilities to relieve congestion and maximize the safety and mobility.
8. The plan shall include consideration of the results of the congestion management process, including the identification of SOV projects.
9. The plan shall include an assessment of capital investment and other strategies to preserve the existing and future infrastructure, provide for multimodal capacity increases based on regional priorities and needs, and reduce the vulnerability of the existing transportation infrastructure to natural disasters.
10. The plan shall include transportation and transit enhancement activities, including consideration of the role that intercity buses may play in reducing congestion, pollution, and energy consumption.
11. The plan shall include a description of existing and proposed transportation facilities in sufficient detail and include cost estimates.
12. The plan shall include a discussion of types of potential environmental mitigation activities and potential areas to carry out these activities.
13. The MPO shall consult, as appropriate, with State and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation concerning the development of the transportation plan. The consultation shall involve, as appropriate, a comparison of transportation plans with State conservation plans or maps, if available
14. The plan shall include a financial plan that demonstrates how the plan can be implemented and includes:
 - i. Cooperatively- developed estimates of costs and revenue sources reasonably expected to be available to adequately operate and maintain the highways and public transit (in "year of expenditure dollars")
 - ii. Recommendations on any additional financing strategies to fund projects and programs included in the plan.
15. The plan should integrate the priorities, goals and strategies in the State's Highway Safety plans and Improvement programs, and public transportation agency safety plans.
16. The plan shall demonstrate that stakeholders were given the opportunity to comment on the plan; in accordance to the RRTPO Public Engagement Plan.
17. The plan shall demonstrate consultation with agencies involved in: a) tourism; b) natural disaster risk reduction.
18. The plan shall be made readily-available for public review in electronically accessible formats.
19. Visualization techniques shall be used to describe the plan.
20. Air quality conformity determination on any updated or amended transportation plan in accordance with the Clean Air Act and EPA regulations

Item 6. LRTP Scope of Work

General Framework

1. What are the Transportation issues to Address?

Transportation Deficiencies and Needs Assessment: Existing and Future (January 2018 – May 2020)

- A. Socioeconomic Data 2017 and 2045 Update
- B. Richmond/Tri-Cities Travel Demand Model Update
- C. Multimodal transportation deficiencies including congestion, safety issues, lack of interconnectivity, or other operational problems as well as inadequate roadway capacity.
 - 1) Highway Needs (STARS Study, IJR, IMR, Smart Scale Application, CMP, I-95 Corridor Study)
 - a. Maintenance Needs (Bridges and Culverts and Pavement Conditions)
 - b. Safety Needs (PSI)
 - 2) Transit Needs (Transit Vision Plan Phase I and II, GRTC TDP)
 - 3) Park and Ride Needs (Park and Ride Study)
 - 4) Active Transportation Needs (Regional Bike-Ped Study, East Coast Greenway, Complete Streets, Ashland to Petersburg Trail)
 - 5) Freight and Intermodal Needs (Commerce Corridor Study, RMT/I-95 Study, Critical Urban Freight Corridors)
 - 6) Passenger Railway Needs (State Railway Plan, DC2RVA)
 - 7) Elderly, Disabled and TDM Needs, Coordinated Human Service Mobility Plan
 - 8) Travel Demand Model for Future Highway Capacity Needs.
 - 9) Local Needs as requested by the LRTP Advisory Committee members.
 - 10) Local Comp Plans and Small Areas Plans
 - 11) Richmond- Crater Hazard Mitigation Plan
 - 12) VTrans

2. What Matters most for the Future?

Strategic Direction – Vision, Goals and Objectives (November 2019- July 2020)

- A. Identify transportation issues in the Richmond Region
- B. Future Impactful Forces for the Richmond region
- C. Development of Vision and Goals
- D. Reevaluation plan2040 goals. Add goals as per new federal legislation
- E. Development of Objectives and Performance Measures – Objectives are statements to support achievement of the goals. Performance measures to monitor progress towards objectives, goal, and vision.

3. What are the options?

Planning

(January 2020 – October 2020)

- A. Universe of Needs/Projects broken down by different modes
- B. Project Inclusion Agreement
- C. Regionally significant Project
- D. Projects consistent with the LRTP

E. Total funding required to meet these needs

4. How can we realistically get there?

**Programming
(January 2020- April 2021)**

- A. Financial Projections from VDOT and DRPT
- B. Allocation Guidelines for different Time bands
- C. Strategy for Project Ranking
- D. Project Selection and Prioritization
- E. Constrained Plan

5. How did we do this time and how can we do better next time?

**Evaluation
(February 2021-June 2021)**

- A. Unfunded Regional Needs
- B. Public Participation and Outreach
- C. Regional Performance Monitoring/Targets
- D. Environmental Justice Analysis
- E. Accessibility Analysis
- F. Air Quality Conformity/Interagency Consultation

**6. Parallel Effort: Scenario Planning
(November 2019- June 2021)**

- A. Scenario Planning framework
- B. Scenario Development to address approved deficiencies by land use changes, investment decisions or a mix of both
- C. Development of performance matrix to evaluate scenarios
- D. Discussion on preferred scenario or common projects
- E. Discussion on cost and benefit on moving on to a full-fledged scenario planning process for the next LRTP update.

**7. Adoption
(June 2021- October 2021)**

- A. Adoption of 2045 LRTP by RRTPO Policy Board (September 2021)
- B. FHWA/ FTA Approval of 2045 LRTP (October 2021)

Major Work Tasks

- Task 1.0 Socioeconomic Data Update and Analysis
- Task 1.1 Richmond/Tri-Cities Travel Demand Model Update
- Task 1.2 Transportation Needs Assessment
- Task 2.0 Vision Goals & Objectives Development
- Task 3.0 Development of the Universe of Regional Transportation Projects
- Task 4.0 Project Selection Process & Scoring
- Task 4.1 LRTP Fiscally Constrained Plan Development
- Task 5.0 Base Year Transportation Performance Reports and Targets
- Task 5.1 Environmental Justice Analysis
- Task 5.2 Accessibility Assessment
- Task 5.3 Air Quality Conformity/ Interagency Consultation

Parallel Effort

- Task 6.0 Scenarios Development
- Task 6.1 Evaluation and Performance Matrix Development to compare Scenarios