Connect RVA 2045

Update

RRTPQO CTAC Meeting
May 20, 2021

Presentation by:
Sulabh Aryal, AICP
Transportation Planning Manager
• Federally mandated Long-Range Transportation Plan for the Richmond Region
• Vision for the Next 20 years of transportation Improvement in the Richmond Region
• Should include a cost-constrained list of projects
• Region’s first Performance-Based Plan
• Spearheaded by LRTP-AC
LRTP Process Flow

1. Transportation Needs Assessment
2. Strategic Direction
3. Planning
4. Programming
5. Evaluation
6. Adoption

General Public Outreach

Formal Public Review
Task 1. Transportation Needs Assessment

Identified regional and local multimodal transportation issues on
- Congestion
- Safety
- Lack of interconnectivity
- Operational problems
- Maintenance
- Inadequate roadway/transit capacity
- Transit expansion
- Accessibility
- Other (travel demand management, transportation system resiliency and economic development, etc.)

Approved by LRTP-AC in May 2020
LRTP Process Flow

1. Transportation Needs Assessment
2. Strategic Direction
3. Planning
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General Public Outreach

Formal Public Review
Task 2: Strategic Direction

Task Objective: Develop Vision and Goals for the LRTP. Also develop Objectives and performance measure within each goal which could measure the achievement towards the goal.

Approved by the RRTPO Policy Board in February 2021
Vision

The transportation system in the Richmond Region will reliably and safely connect people, prioritize more equitable opportunities for all to thrive and live healthy lives, promote a strong economy, and respect environmental stewardship.

Guiding Principles

GP1 Create a safe system for all users committed to the proven strategies in planning, design, operations and maintenance as well as advances in technology to eliminate fatal and serious injury crashes.

GP2 Choice among all travel modes regionwide.

GP3 Expansion of regional bicycle and pedestrian networks to provide active travel alternatives to driving for better individual and community health.

GP4 A robust transit network which delivers comprehensive, effective, and convenient service, particularly in areas of greatest need and to key destinations.

GP5 Equity and inclusion in all transportation spending and planning decisions in the region with a focus on historically under-represented and under-served communities.

GP6 Efficient movement of people and goods across the transportation network.

GP7 Alignment of transportation investment and planning with land use, community health, and environmental stewardship.

Goals & Objectives

A. Safety

A1. Enhance safety and comfort of bicycle and pedestrian facilities.
A2. Work to eliminate all serious injuries and fatalities resulting from vehicular accidents.

B. Environment/Land Use

B1. Address roadways prone to flooding and consider climate impacts in transportation planning prioritization and funding decisions.
B2. Reduce transportation related pollutants.
B3. Reduce VMT (vehicle miles traveled) per capita.
B4. Increase number and share of trips taken by shared and active transportation modes.
B5. Tie land use planning to transportation investments through encouragement of walkable and transit-oriented communities.
B6. Minimize impacts of transportation system on natural resources and communities with a particular emphasis on Environmental Justice (EJ) populations.

C. Equity/Accessibility

C1. Reduce trip lengths for all people with a focus on Environmental Justice (EJ) populations.
C2. Increase access to jobs and community services via transit, walking, and biking for all people with a focus on EJ populations.

D. Economic Development

D1. Reduce peak period travel times.
D2. Increase transportation investment which focuses on economic vitality.
D3. Improve reliability and accessibility of travel to and within the regional activity centers.
D4. Reduce freight bottlenecks.
D5. Increase multimodal access to tourist destinations.

E. Mobility

E1. Increase the percent of complete streets across the highway network to maximize use of available capacity.
E2. Increase system efficiency through operational, transportation demand management (TDM), and technology-based solutions.
E3. Improve system reliability across all modes.
Task 3. Planning - Universe of Project

Streamlined list of all regionally significant multimodal transportation projects.

- Address an Issue from the LRTP Regional Transportation Issues/Needs List as approved by the LRTP-AC.
- Should be inside RRTPO MPA Boundary.
- Qualify as a regional transportation project based on the LRTP-AC approved “LRTP Project Inclusion Guidelines”
- Based on local and regional transportation plans and studies including locality comprehensive plans or proposed by Project Champion.
- Political will to proceed with the project.
 Universes of Projects – Summary

<table>
<thead>
<tr>
<th>Transportation Project Type</th>
<th>Needs (Dollars)</th>
<th>Percentage of Total</th>
<th>Total Number of Projects</th>
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<tbody>
<tr>
<td>Highway</td>
<td>$5,111,523,952</td>
<td>66.50%</td>
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<tr>
<td>Bridge</td>
<td>$229,990,908</td>
<td>2.99%</td>
<td>16</td>
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<tr>
<td>Transit</td>
<td>$693,708,000</td>
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<tr>
<td>Active Transp.</td>
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<tr>
<td>Park and Ride</td>
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<td>0.83%</td>
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<tr>
<td>Rail</td>
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<tr>
<td>Total</td>
<td>$7,686,618,187</td>
<td>100.00%</td>
<td>268</td>
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</tbody>
</table>

Total Needs - $7.69 Billion
Plus, three I-95 Projects

Approved by the RRTPO Policy Board in May 2021
Next Steps (May-October)

• Phase 4: Programming (Cost-Constrained Plan Development)
  • Project Scoring and Evaluation
  • Development of Staff Recommendations
  • Review with Project Champions

• Phase 5: Constrained Plan Evaluation
  • Air Quality Conformity Assessment
  • Environmental Justice Analysis
  • Accessibility Analysis
  • ConnectRVA 2045 Performance Measures
  • Economic Impact Analysis (TBD)

• Phase 6: Plan Adoption
  • October 7th
Public Input Opportunities

• **ConnectRVA 2045 Website/Email**
  • February 2020 – September 2021

• **Phase 1: Transportation Needs Assessment**
  • Community Outreach Meetings: February– Early March 2020
  • Issues Interactive Mapping (Wikimaps): March 12- April 15, 2020

• **Phase 2: Strategic Direction - VGO development**
  • Vision Survey: March 12- April 15, 2020
  • Regional Goals and Priorities Survey: June 24 – August 15, 2020
  • Vision, Goals, and Strategies Survey: August 25- October 11, 2020

• **Phase 4: Programming- Constrained Plan Development**
  • Budget Allocation Survey: April 15- May 15, 2021
Formal Public Comment Period

**Needs Assessment**
- Identify transportation issues in the Richmond Region
- Share input on transportation needs assessment and opportunities for improving transportation in the region
- 15 Days May 5-20, 2020

**Vision**
- Input on the development of Vision and Goals
- Comments on Vision Statement and Goals as approved by LRTPAC
- 15 Days Dec 4-18, 2020

**Planning**
- Comments on Universe of Projects to be evaluated for project ranking
- 38 Days Mar 8- Mar 23 & Mar 25-Apr 15, 2021

**Funding**
- Review candidate projects and investment programs and weigh in on RRTPO funding decisions
- 15 Days June 2- June 17

**Evaluation**
- Comment on selected projects, investment strategy, and draft plan document
- 30 Days Late Summer
Connect RVA 2045

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