

Greater RVA Transit Vision Plan: Near-Term Strategic Technical Analysis

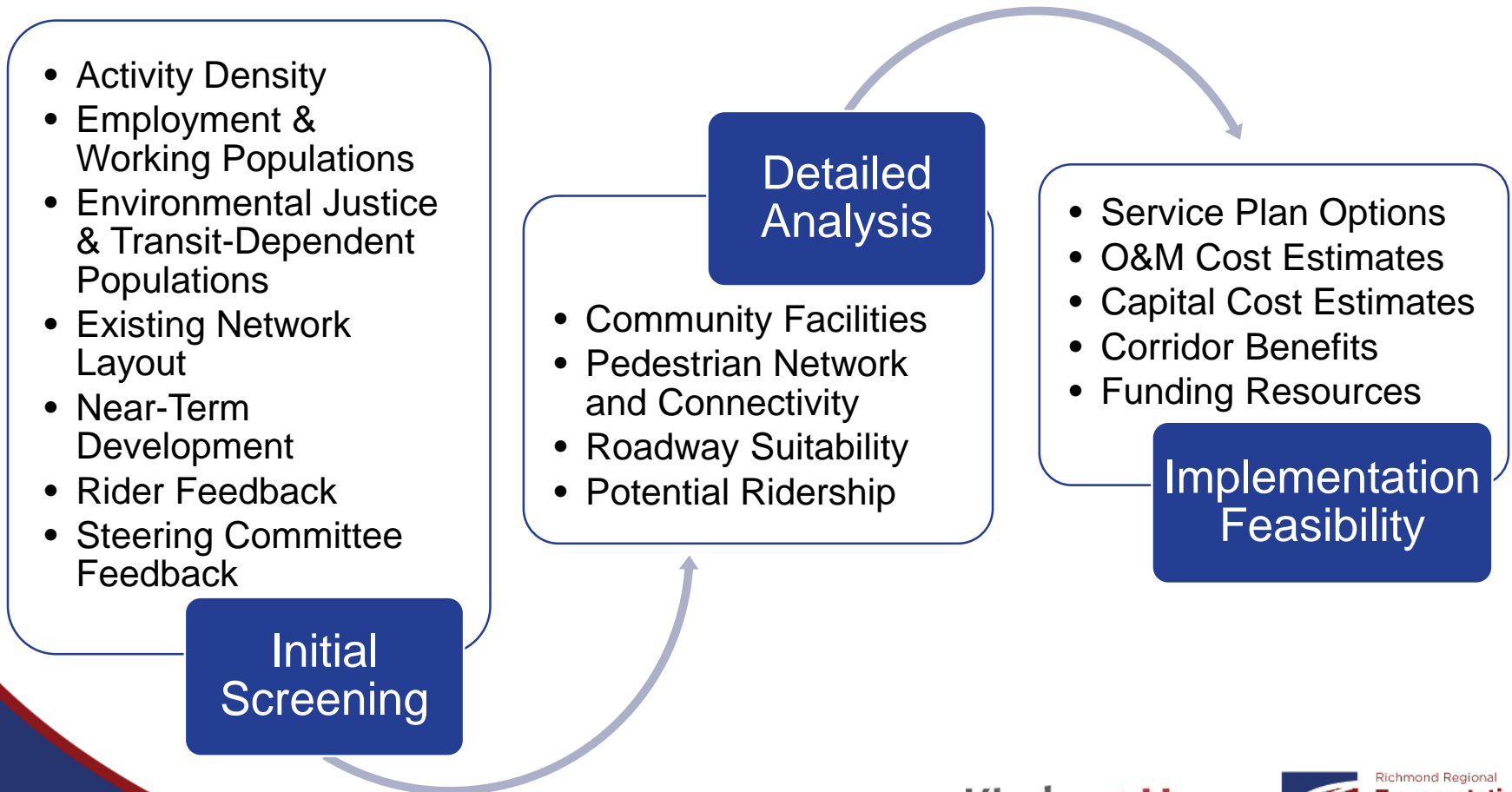
**Community Transportation Advisory
Committee**

November 19, 2020

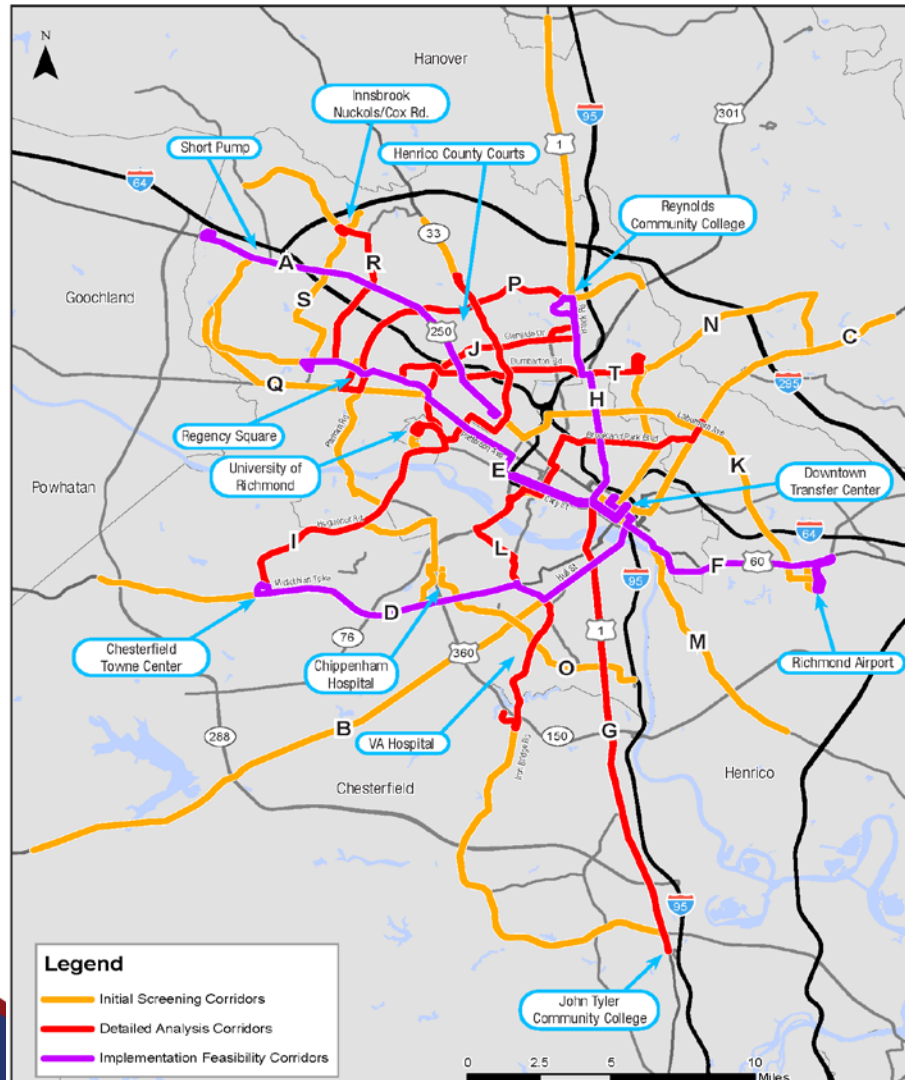
Study Purpose

- Build upon the Greater RVA Transit Vision Plan (2017) and recent transit improvements in the Richmond Region
- Identify recommendations for high-frequency routes that can be implemented in the near-term to advance toward the region's long-term vision

Analysis Methodology



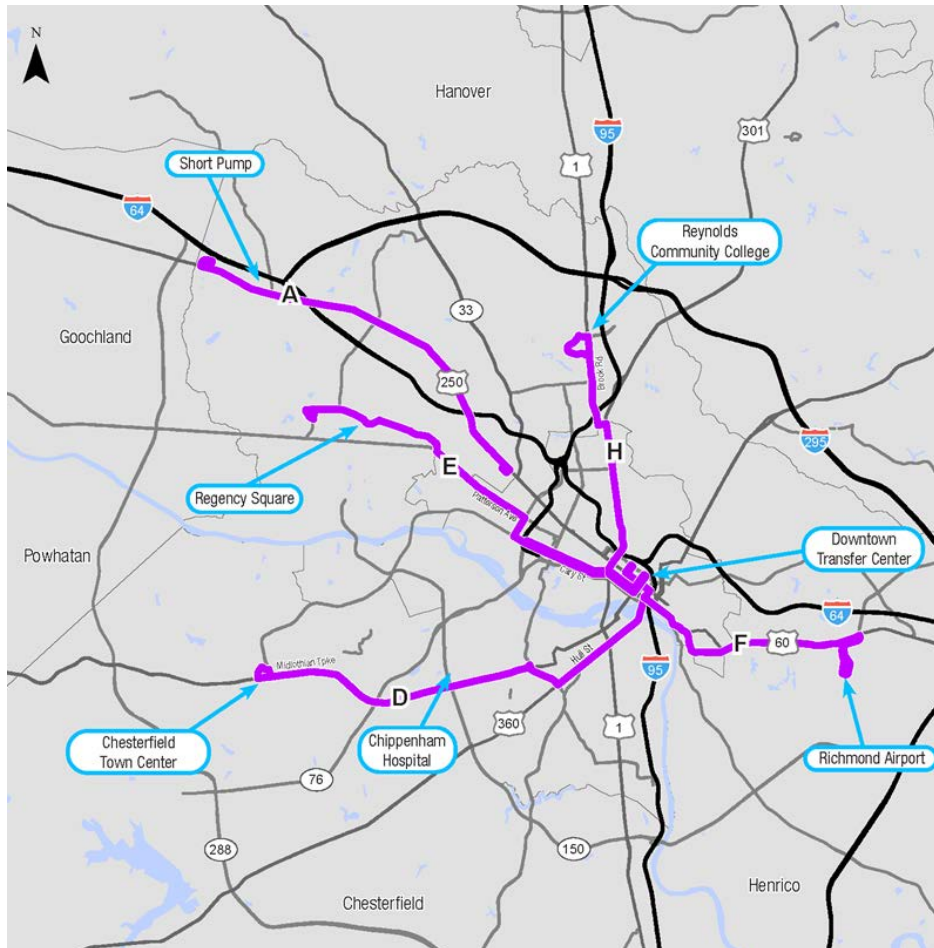
Study Corridors



Legend

- Initial Screening Corridors
- Detailed Analysis Corridors
- Implementation Feasibility Corridors

Corridors Selected for Implementation Feasibility



Legend

 Corridors Selected for Implementation Feasibility

A. Broad Street – Short Pump

(Willow Lawn to Bon Secours Short Pump)

D. Midlothian Turnpike

(Downtown Richmond to Huguenot Road)

E. West End South

(Downtown Richmond to Regency Square)

F. Airport via Route 60

(Downtown Richmond to Richmond Airport)

H. Route 1 North

(Downtown Richmond to Parham Road)

Corridor Service Plan Assumptions

- Seven day a week service for all corridors
- Proposed corridor routes build on current network
- Ultimate recommended service changes subject to GRTC approval and funding
- Annual Operations & Maintenance costs estimated using current GRTC cost per service mile of \$7.63

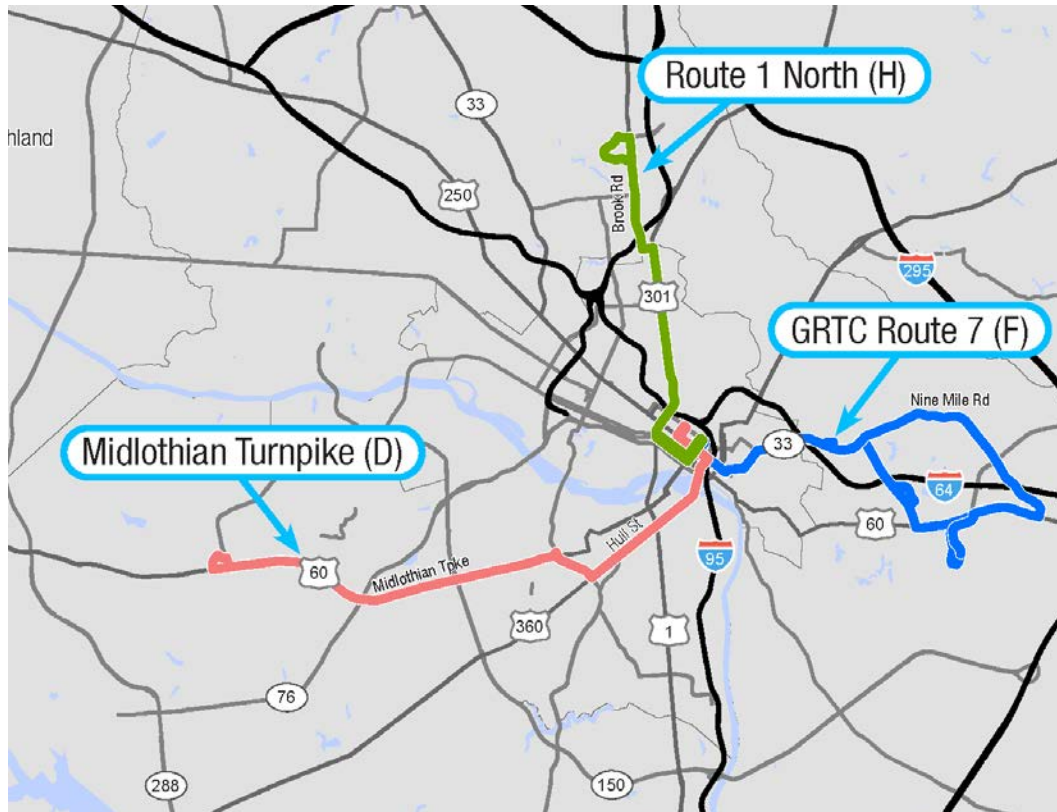
Range of Capital Costs

Corridor	Low	High
D. Midlothian Turnpike	\$ 2,740,000	\$ 40,510,000
F. Airport via Route 60	\$ 1,870,000	\$ 24,090,000
H. Route 1 North	\$ 2,190,000	\$ 15,910,000
Total	\$6,800,000	\$ 80,510,000

Range of Operating Costs

Corridor	Low	High
D. Midlothian Turnpike	\$ 2,274,000	\$ 2,872,000
F. Airport via Route 60	\$ 2,068,000	\$ 4,804,000
H. Route 1 North	\$ 854,000	\$ 1,213,000
Total	\$ 5,196,000	\$ 8,889,000

Most Viable Corridors for Near-Term Implementation



Legend

- D. Midlothian Turnpike**
(Downtown Richmond to Huguenot Road)
- F. Airport via Route 60**
(Downtown Richmond to Richmond Airport)
- H. Route 1 North**
(Downtown Richmond to Parham Road)

Implementation Activities

- Secure Funding
 - Planning/Design funds
 - Capital funds
 - Operations & Maintenance funds
- Corridor Planning (with localities & CVTA)
 - Identification of bus stop locations
 - Prioritization of sidewalk and intersection improvements
 - Identification of technology improvements
 - Refinement of service schedule
 - Coordination of service between proposed corridor and existing routes
- Procure Vehicles
- Design and Construct Improvements
- Operate Service

Improvements throughout the corridor will need to be coordinated across jurisdictions

Requested Action

The following resolution was adopted by the RRTPO Policy Board on September 3, 2020:

RESOLVED, that the Richmond Regional Transportation Planning Organization (RRTPO) adopts the proposed plan for the Regional Transit Vision Plan Near-Term Strategic Technical Analysis of five corridor segments considered for enhanced transit in the near-term planning horizon (five to seven years).

Story Map

