

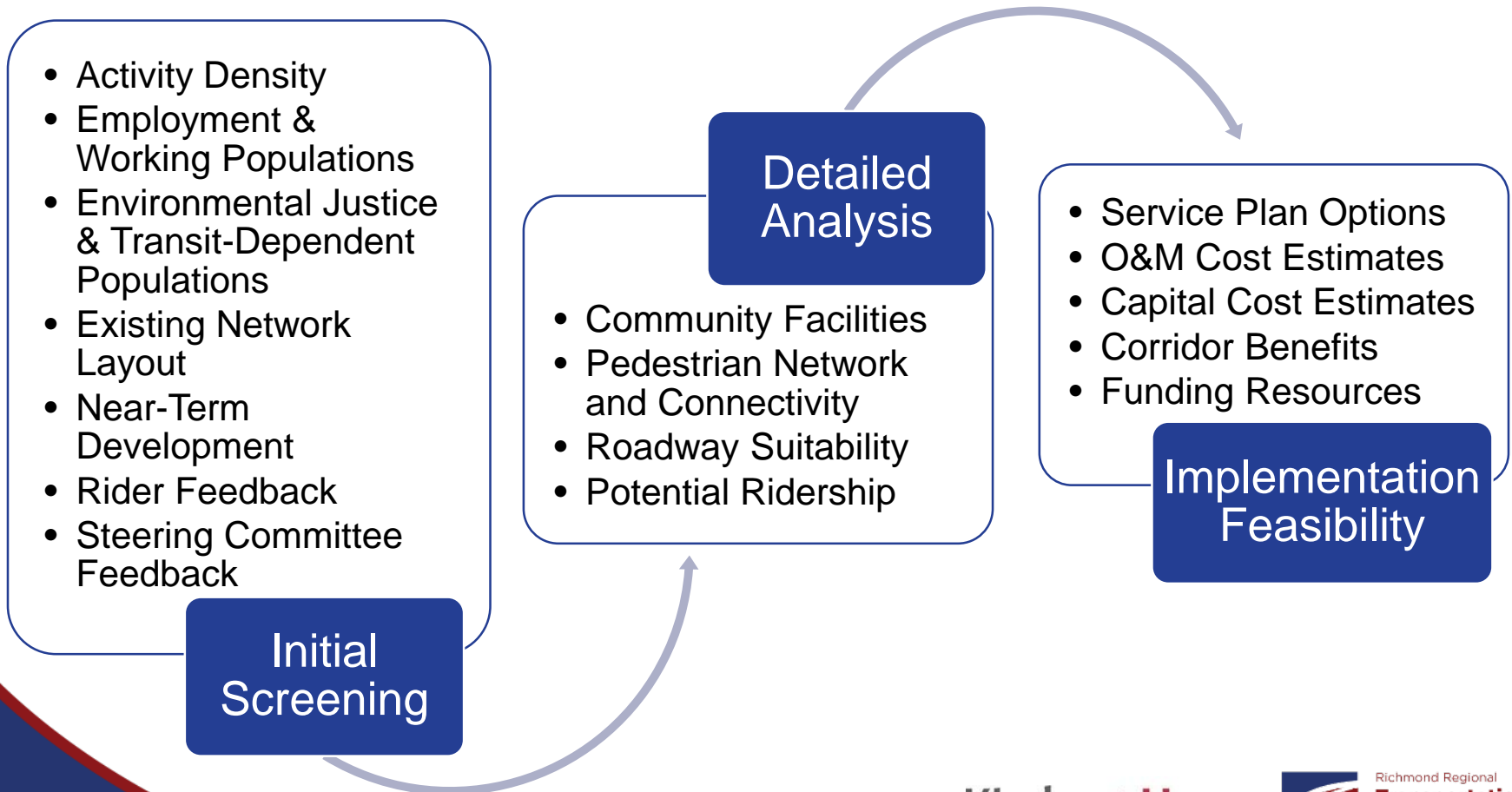
# **Greater RVA Transit Vision Plan: Near-Term Strategic Technical Analysis**

**TPO Policy Board**  
September 3, 2020

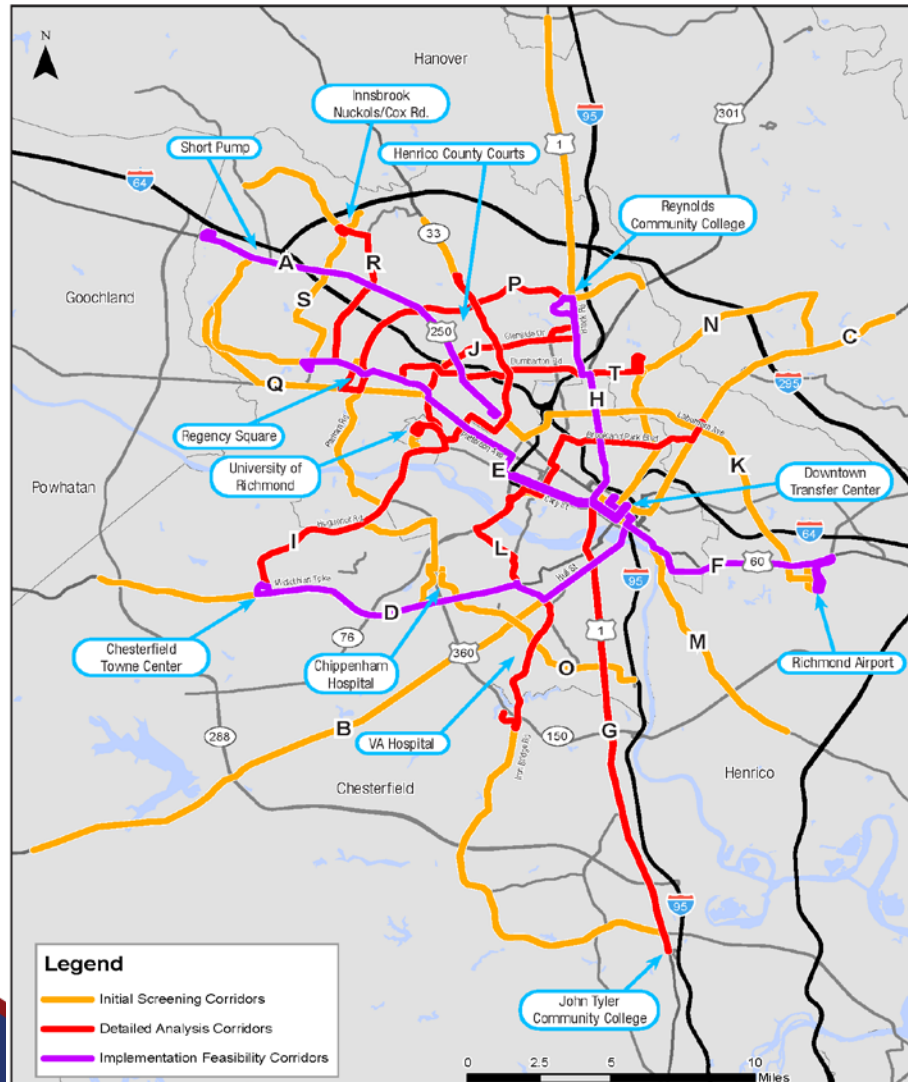
# Study Purpose

- 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



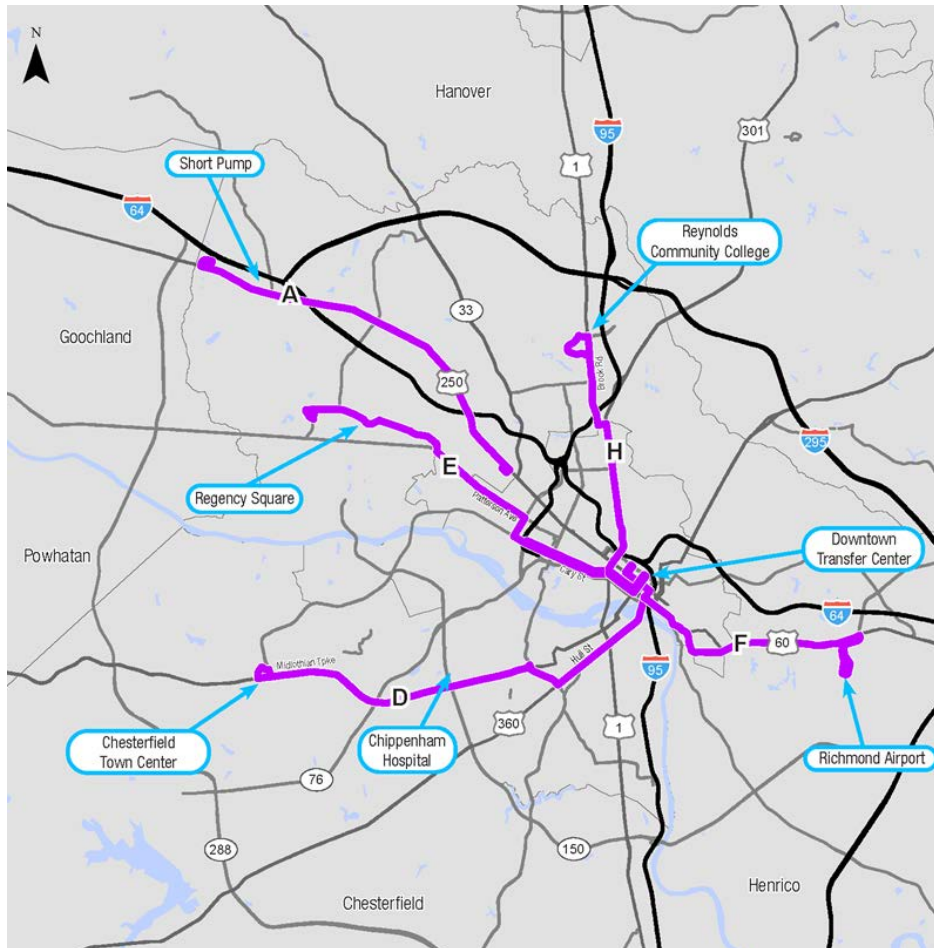
# Study Corridors



## 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

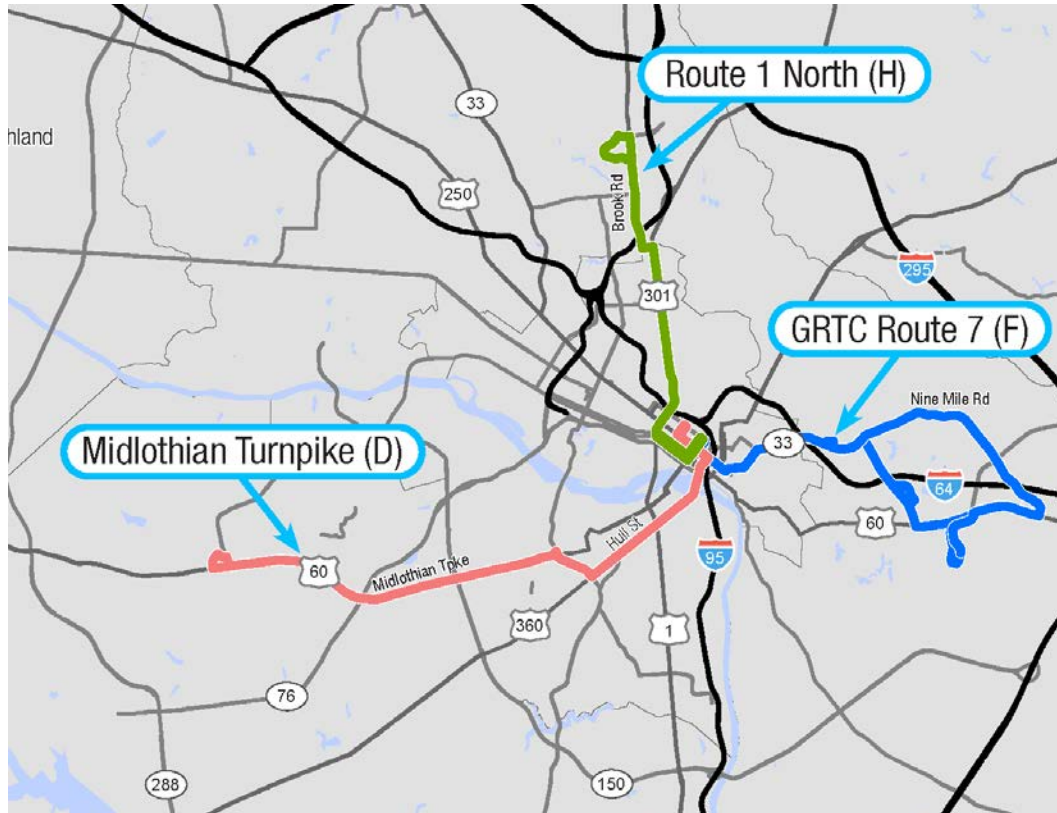
Corridor	Low	High
D. Midlothian Turnpike	\$ 2,740,000	\$ 40,510,000
F. Airport via Route 60	\$ 1,870,000	\$ 24,090,000
H. Route 1 North	\$ 2,190,000	\$ 15,910,000
<b>Total</b>	<b>\$6,800,000</b>	<b>\$ 80,510,000</b>

# 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
<b>Total</b>	<b>\$ 5,196,000</b>	<b>\$ 8,889,000</b>



# 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 is presented for RRTPO Policy Board review and approval:

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



## Greater RVA Transit Vision Plan

Near-Term Strategic Technical Analysis

Kimley»Horn

Richmond Regional  
Transportation  
Planning  
Organization  
SUPPORTED BY **PIA**RVA