

# **Columbia Pike Transit Stations**

## **Public Open House**

Arlington County Department of Environmental Services

April 28, 2015

# Meeting Purpose

- Review project goals
- Update on project status and scope of current work
- Address next steps and timeline
- Obtain feedback on transit station design elements

# Project Goals

- Transform Columbia Pike into a vibrant, walkable “Main Street”
  - Neighborhoods linked by enhanced transit and a street that balances all modes of travel
  - Transit Stations as front door of transit system and gateways to Pike neighborhoods
- Accommodate ridership on Virginia’s busiest bus corridor
  - Nearly all Transit Station locations along Columbia Pike have more than 100 daily boardings
  - Ridership expected to more than double by 2035
- Improve upon prototype station, maintain features the public wants
  - Passenger amenities
  - Real-time information
  - Lighting
  - Design aesthetics

# Serving More Transit Riders

Nearly all transit station locations along Columbia Pike have more than 100 daily boardings – with *ridership expected to more than double* by 2035

## Basic stop includes:

- Sign
- Information/schedule
- Paved boarding area

Typical ridership:

<40 boardings daily

## Sheltered stop adds:

- Small shelter, seating
- Bus bay or curb extension

Typical ridership:

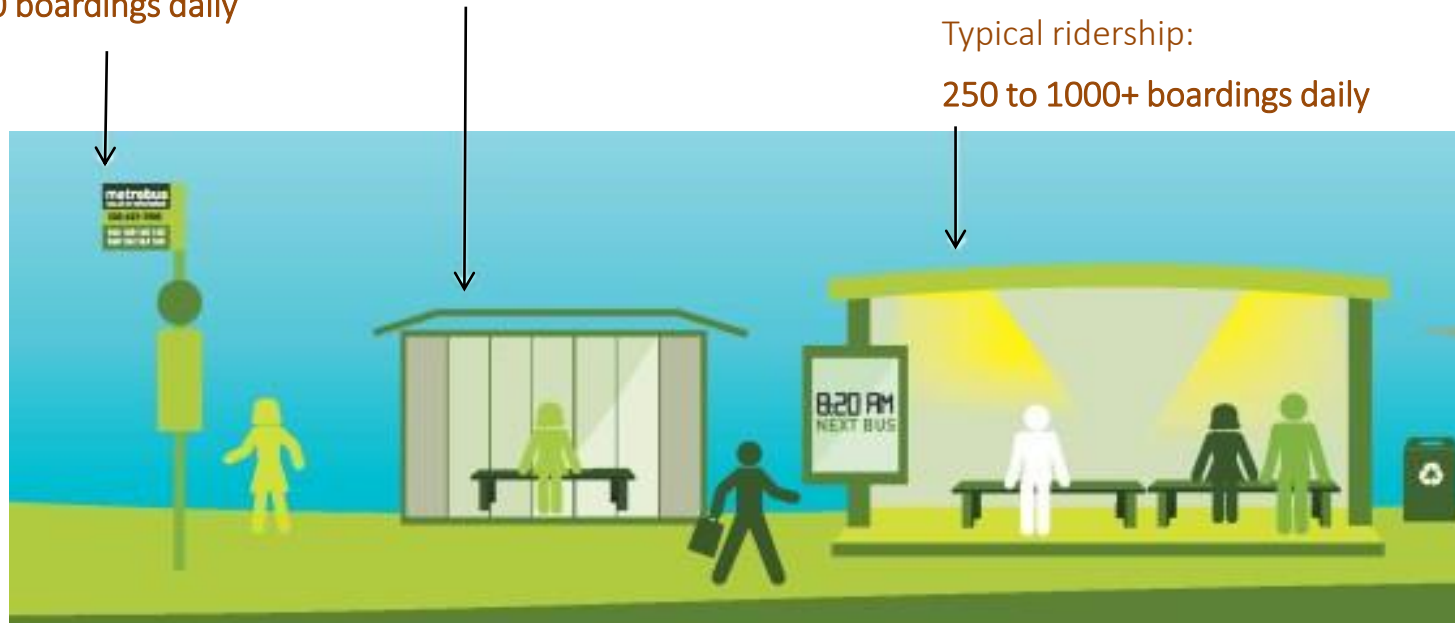
40 to 100+ boardings daily

## Transit station adds:

- Larger shelter, seating
- Raised platform (near-level boarding)
- Real-time information display
- Lighting
- Off-board fare payment

Typical ridership:

250 to 1000+ boardings daily



# Transit Stations in Other Cities

Eugene, OR

*Bus Rapid Transit*

\$445,000



Norfolk, VA

*Light Rail*

\$762,000



Charlotte, NC

*Light Rail*

\$757,000



Grand Rapids, MI

*Bus Rapid Transit*

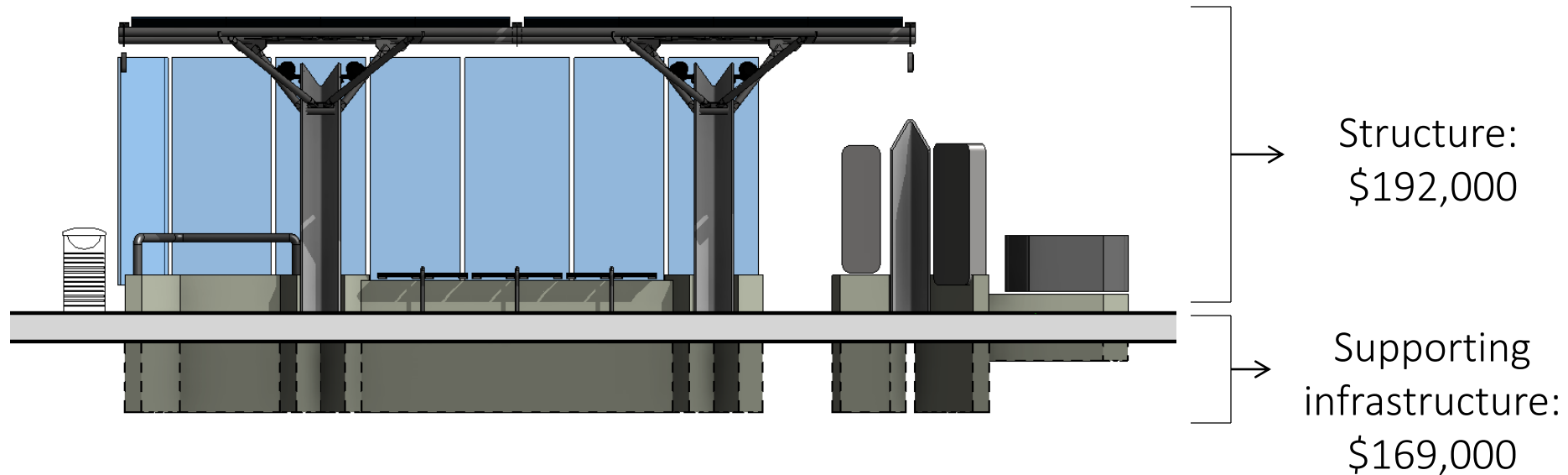
\$662,000



# Construction Cost Breakdown

## Columbia Pike Transit Station

Estimated Construction Cost (Standard size): \$361,000



### Structure includes:

- Steel beams, bracing and columns
- Glass roof panels
- Glass windscreens
- Benches and lean bars
- Display cases and electronic real-time transit information display

### Supporting infrastructure includes:

- Station platform - 10"-high curb, 90-feet long to accommodate two transit vehicles
- Foundations and footings
- Power
- Site preparation
- Landscaping/site restoration

# *How We Cut Costs*

## Simplified the design

- Modular, flexible – can be scaled up or down
- Standardized components
- Less structure, less steel
- Eliminated ice melt system
- Scaled program to ridership

*Cheaper to build*

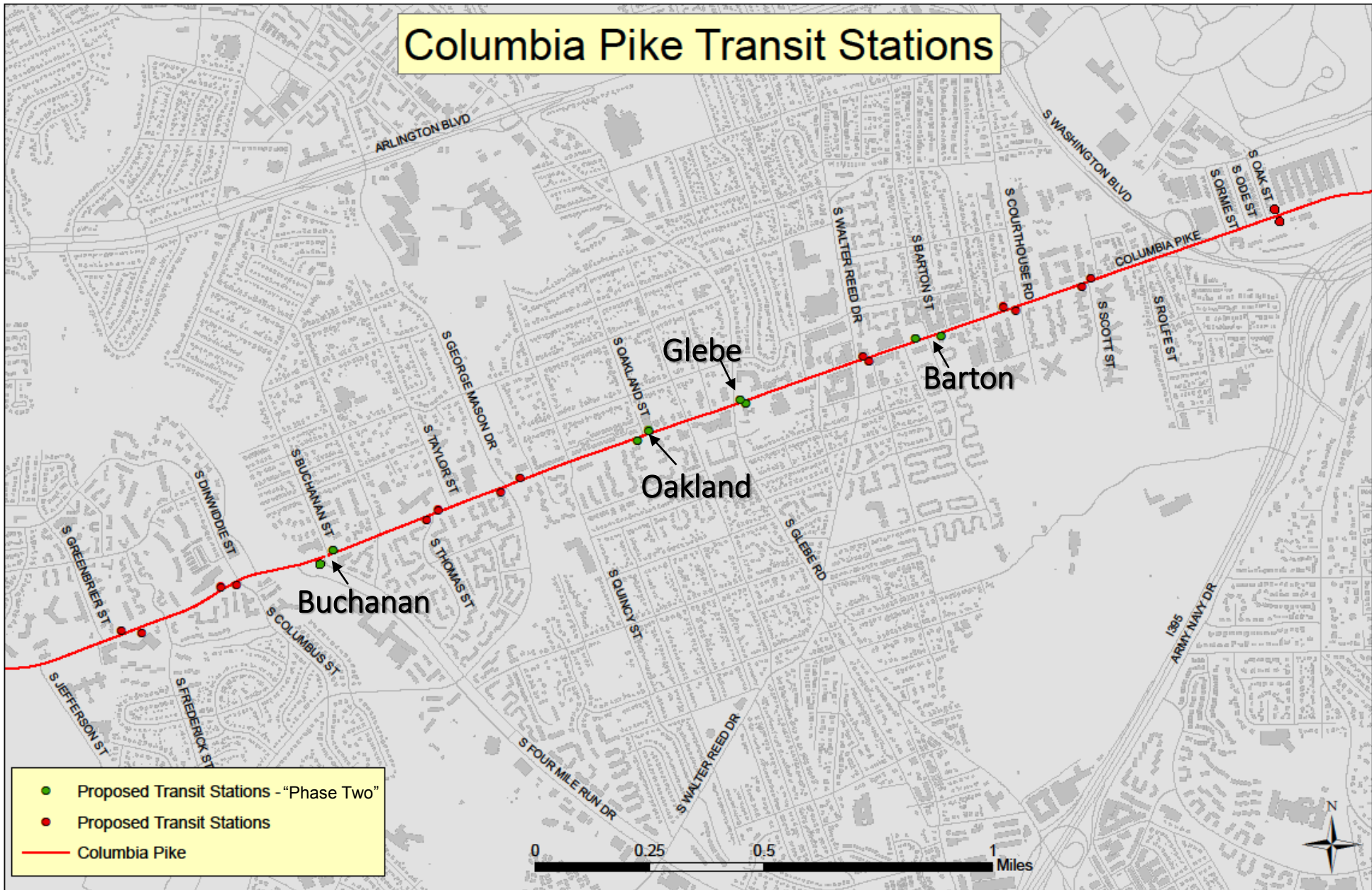
*Cheaper to maintain*

# Project Status

- Completed prototype review in mid-2014
- Consultant services procured in late fall
- Design work started in January
- Two parts to the scope:
  - Master templates – 50% design completed in March
  - Design for next eight stations (four pairs) – begins in July
- Seeking design input on master templates throughout April

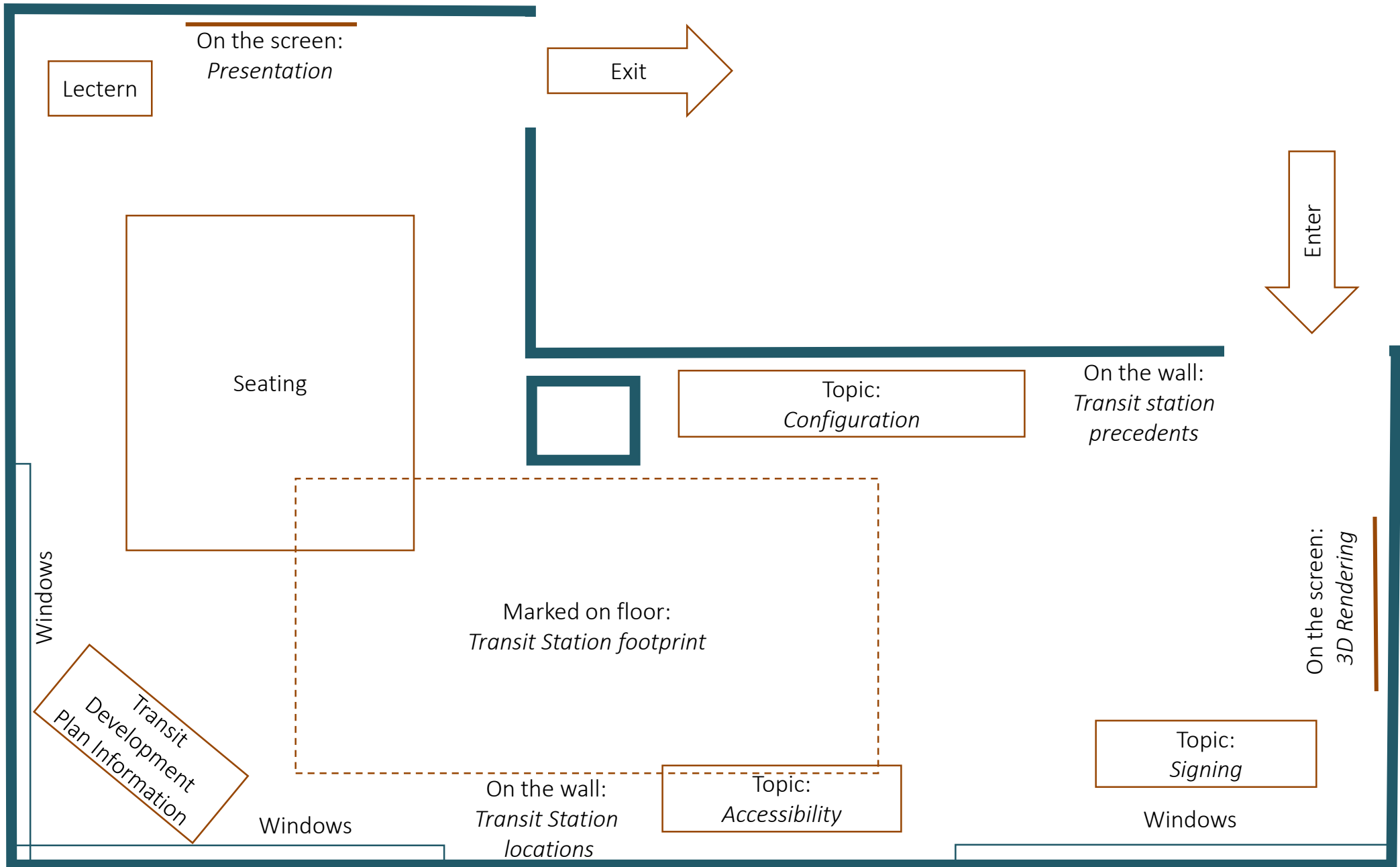


# Columbia Pike Transit Stations



# Public Open House

- Opportunity to provide feedback on specific master template features before they are finalized
- Topics:
  - Configuration/layout on platform
  - Accessibility
  - Signage
- Information “stations” addressing various topics
- Visualizations



Lectern

On the screen:  
*Presentation*

Exit

Seating



Topic:  
*Configuration*

On the wall:  
*Transit station precedents*

Enter

Windows

Transit  
Development  
Plan Information

Marked on floor:  
*Transit Station footprint*

Topic:  
*Accessibility*

On the wall:  
*Transit Station locations*

Topic:  
*Signing*

On the screen:  
*3D Rendering*

Windows

Windows

# Future Community Outreach

- Report back on 100% master templates design (Summer)
- Public meeting for 50% site-specific designs (Fall)
- Report back on 100% site-specific designs (Winter)
- Public meeting before start of construction (Summer 2016)

# Next Steps

- Completion of master templates
- Review and approval by County's Building Official and Inspection Services Division
- Continued coordination with Columbia Pike Multimodal Project
- Completion of design for next eight stations
- Estimated timeline for completing all 23 stations is four years – by winter 2019