

March 22, 2015

# Transit Alternatives Analysis Study of the Route 7 Corridor – Phase II

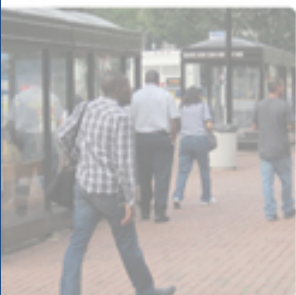


Presented to: Falls Church League of Women Voters of Falls Church

Presented by: Kelley Coyner, Northern Virginia Transportation Commission

# Today's Roadmap

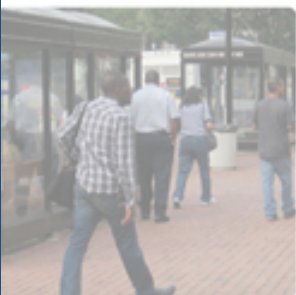
- ◆ Goal of Rt. 7 corridor study
- ◆ Choices of type of transit & location
- ◆ Public involvement elements and opportunities
- ◆ Milestones



# Project Goal

To identify the best transit option for the corridor

- ❖ Connects people and business to economic opportunity
- ❖ Improves mobility and relieves congestion
- ❖ Provides a technically, financially, and economically viable option; and
- ❖ Enjoys public support



# Project Objectives

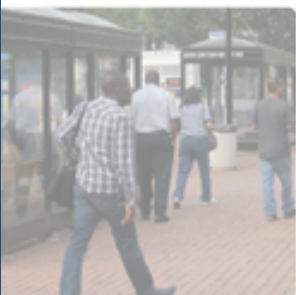
- ◆ Identify mode, route and termini for service
- ◆ Determine the level of public support for the project
- ◆ Assess financial, economic, technical viability
- ◆ Identify how to move forward



# Study Process

## Two Project Phases

- ◆ Where are we?
- ◆ Where are we going?

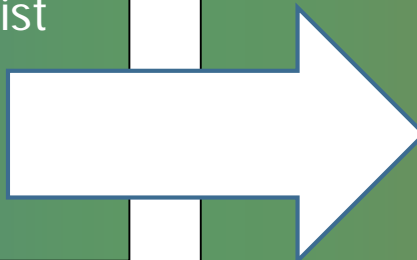


### Phase I

- ✓ Consider all possible options
- ✓ Develop a short list

### Phase II

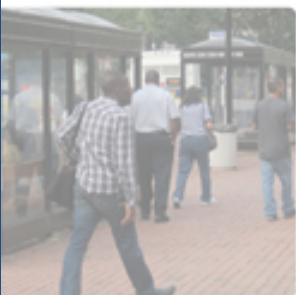
- ✓ Study short list
- ✓ Identify a preferred alternative



# Study Process

## Phase II – Where Are We Going?

- ◆ Analysis of remaining alternatives
  - ❖ Mode selection
  - ❖ Alignment
- ◆ Funding strategies
- ◆ Outreach
  - ❖ Elected and appointed officials
  - ❖ Agency executives and senior staff
  - ❖ Public and community stakeholders



# Choosing A Transit Mode

## Types of Transit Considered in Phase I



*Commuter Rail*



*Streetcar*



*BRT*



*Bus*



*Metrorail*



*LRT*

# PHASE II: CHOOSE A TYPE OF TRANSIT



## Light Rail Transit (LRT)

- ◆ Operates in mixed traffic or separate from traffic
- ◆ Uses overhead electric wires for power
- ◆ Stations typically include platforms, shelters and ticket vending machines
- ◆ Limited station stops



## Bus Rapid Transit (BRT)

- ◆ Operates in mixed traffic or separate from traffic
- ◆ Uses modern bus technology
- ◆ Sleek vehicles with low floor, multi-door boarding
- ◆ Dual side boarding
- ◆ Limited station stops



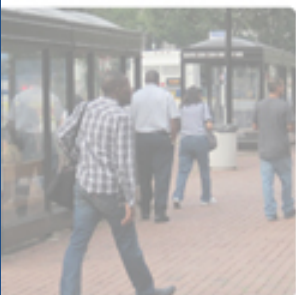
## Standard Buses

- ◆ Operates in mixed traffic
- ◆ Uses standard bus technology
- ◆ Includes normal and articulated buses
- ◆ Frequent stops



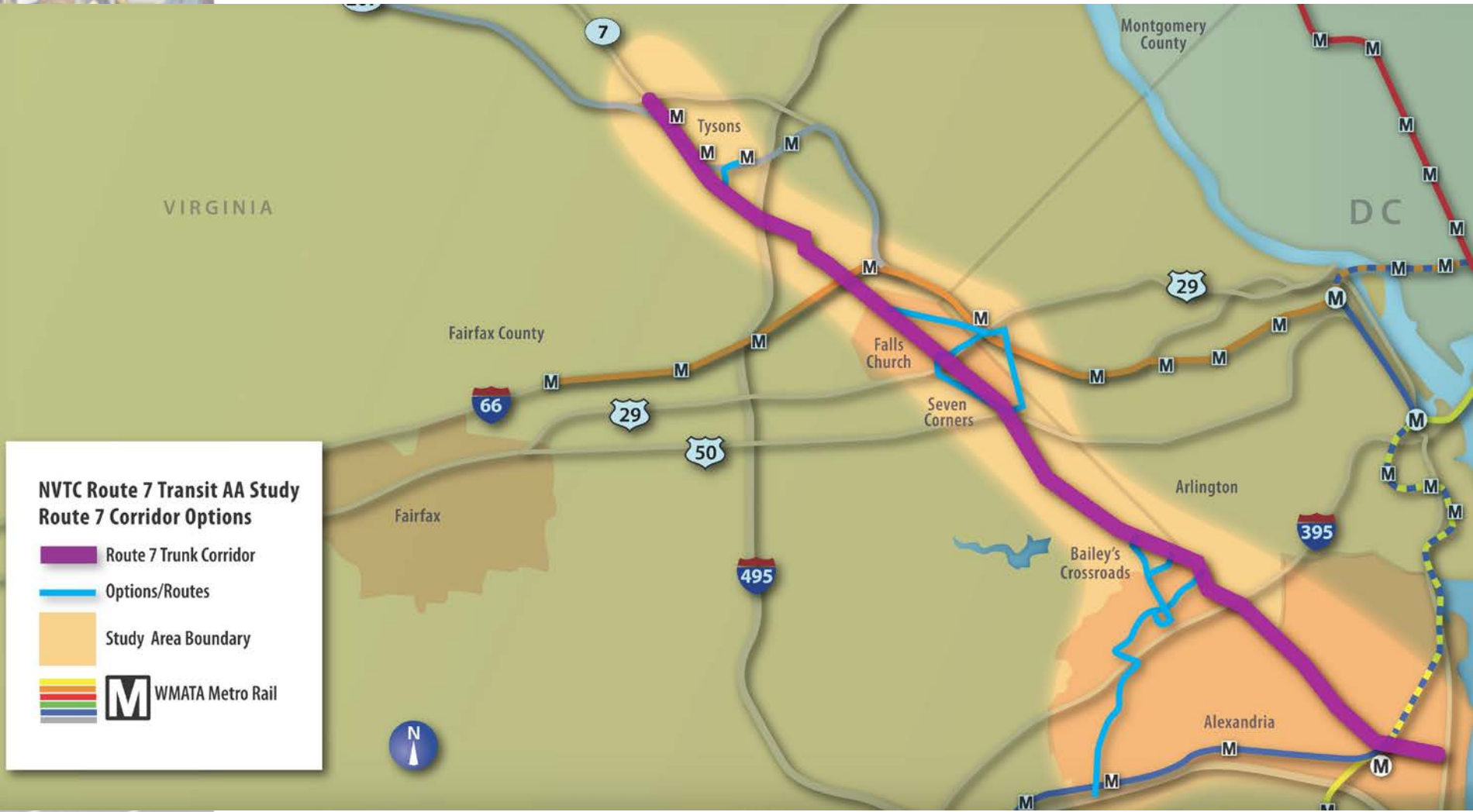
# How We Choose a Transit Mode?

- ◆ Operating Speed vs. Capacity
- ◆ Capital Cost/Mile
- ◆ Operating Cost/Passenger Mile



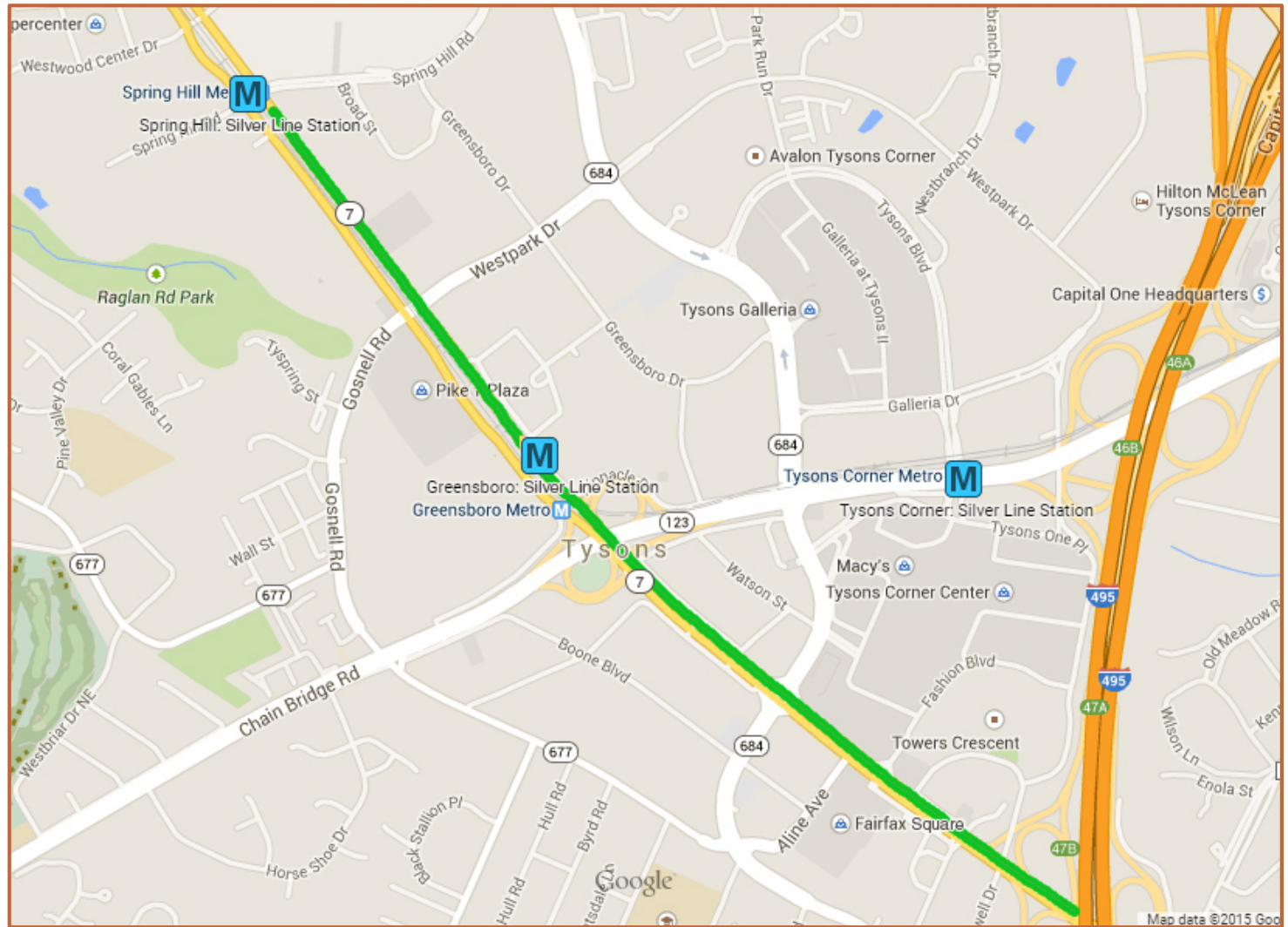
# Where will the new system be?

## Choosing An Alignment



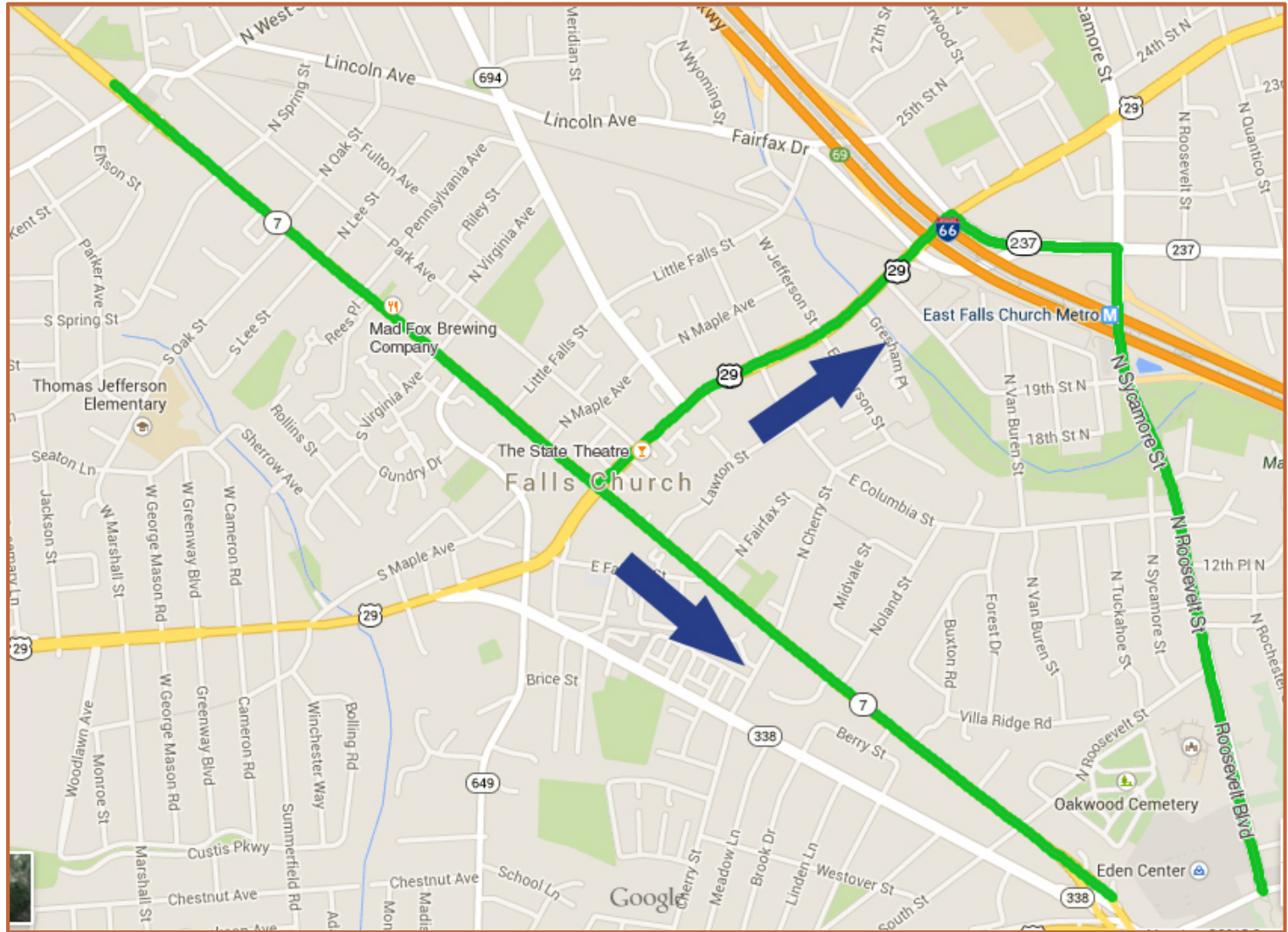
# Where Are We Going?

## Choosing An Alignment: Tysons



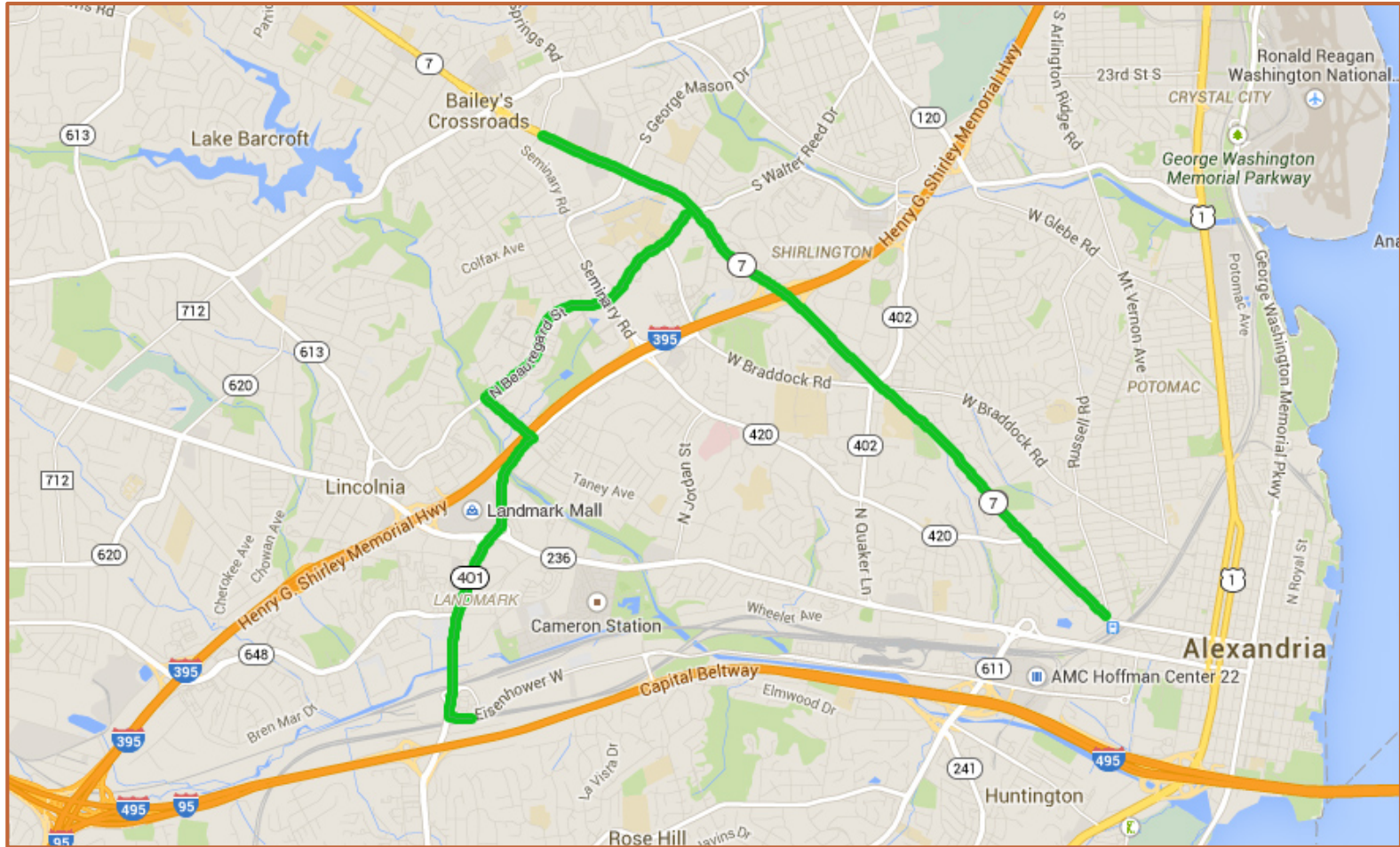
# Where Are We Going?

## Choosing An Alignment: Falls Church



# Where Are We Going?

## Choosing An Alignment: Alexandria

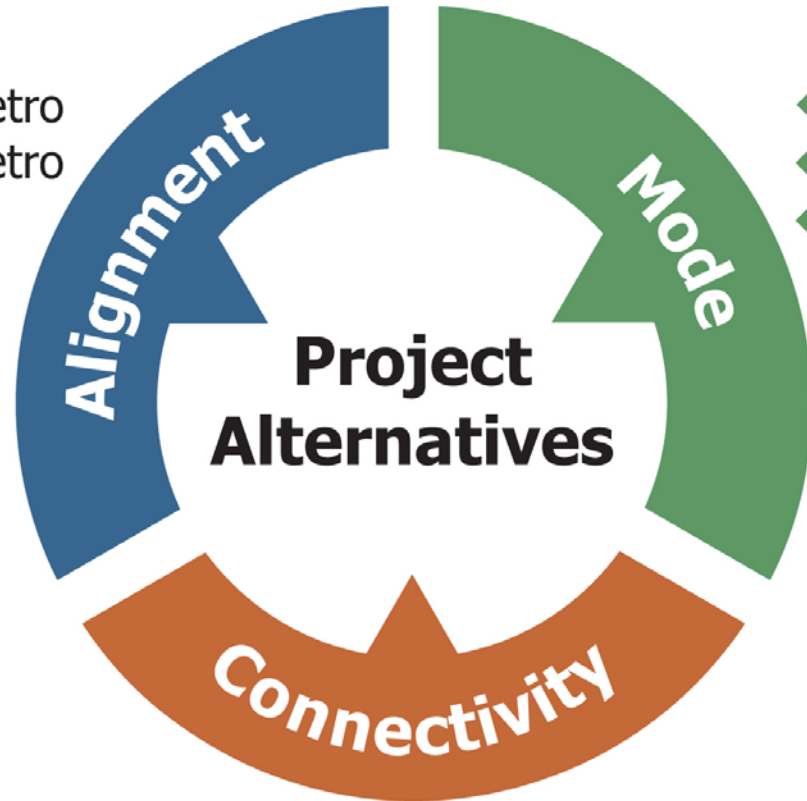


# Bring it all together

## Choosing An Alternative



- ◆ Tysons to King Street Metro
- ◆ Tysons to Van Dorn Metro



- ◆ Local Bus
- ◆ BRT
- ◆ LRT

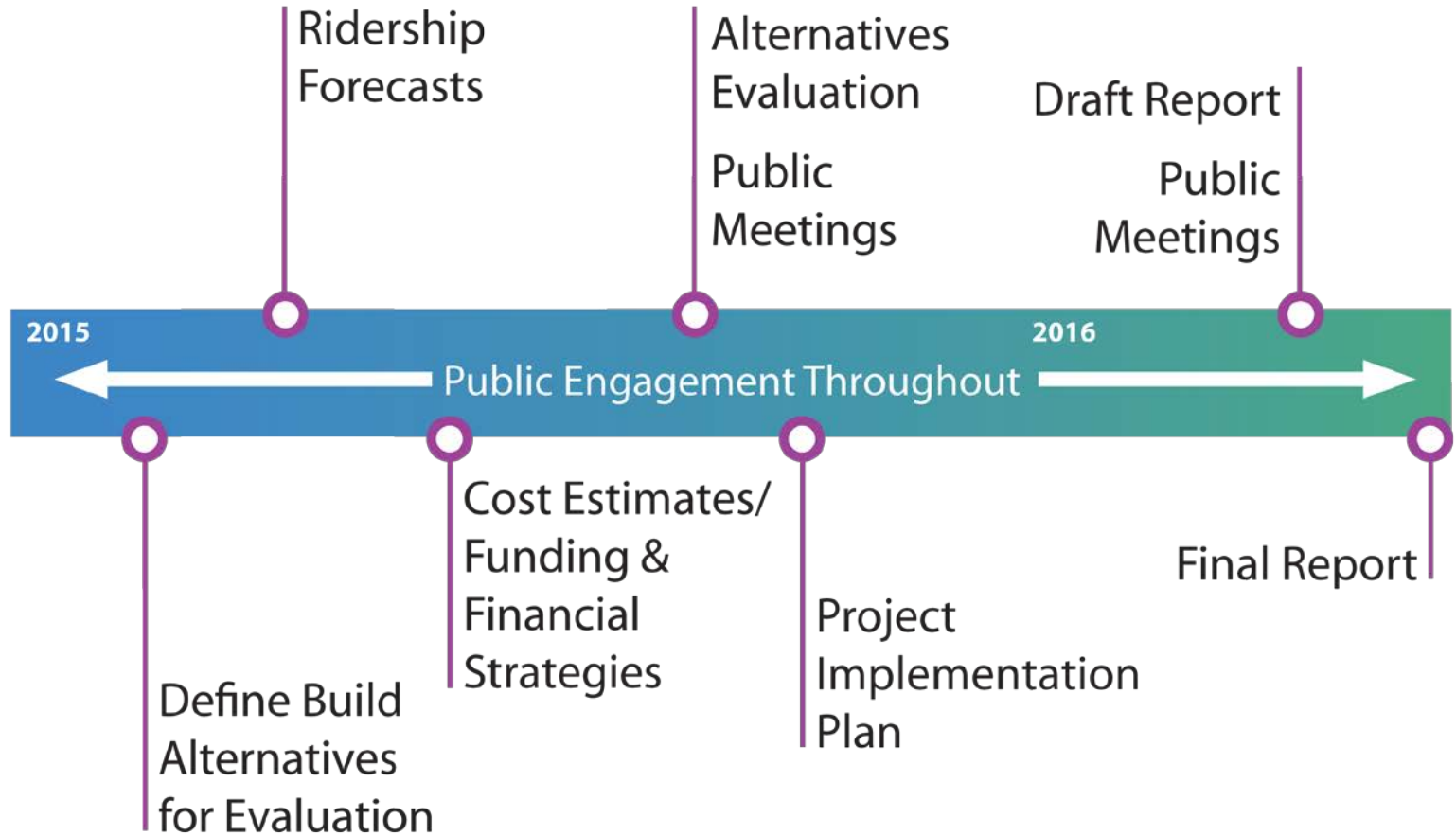
- ◆ Provide access to EFC Metro
- ◆ Remain on Route 7 through Falls Church

# Project Alternatives



- ◆ No-Build Alternative
- ◆ Transit TSM (Transportation Systems Management)
- ◆ BRT from Tysons to King Street Metrorail Station via East Falls Church Metrorail Station
- ◆ BRT from Tysons to Van Dorn Metrorail Station via East Falls Church Metrorail Station
- ◆ BRT from Tysons to Van Dorn Street Metrorail Station
- ◆ LRT from Tysons to Van Dorn Metrorail Station via East Falls Church Metrorail Station

# Project Schedule and Milestones





# Learn More; Have your Say Opportunities to Engage

- ◆ Visit our Website :  
<http://route7corridorstudy.com/>
- ◆ Follow us on Social Media
- ◆ Answer a survey
- ◆ Leave comments
- ◆ Host a presentation in your community





# For More Information

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