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

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

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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

**Standard Buses**
- Operates in mixed traffic
- Uses standard bus technology
- Includes normal and articulated buses
- Frequent 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

**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
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

Alignment

Mode

Project Alternatives

Connectivity

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

Local Bus
BRT
LRT
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
Learn More; Have your Say
Opportunities to Engage

- Visit our Website:
  http://route7corridorstudy.com/
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For More Information

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