Next Steps

Conclusion of this Project Phase

Conceptual Implementation and Construction Schedule



Get Involved





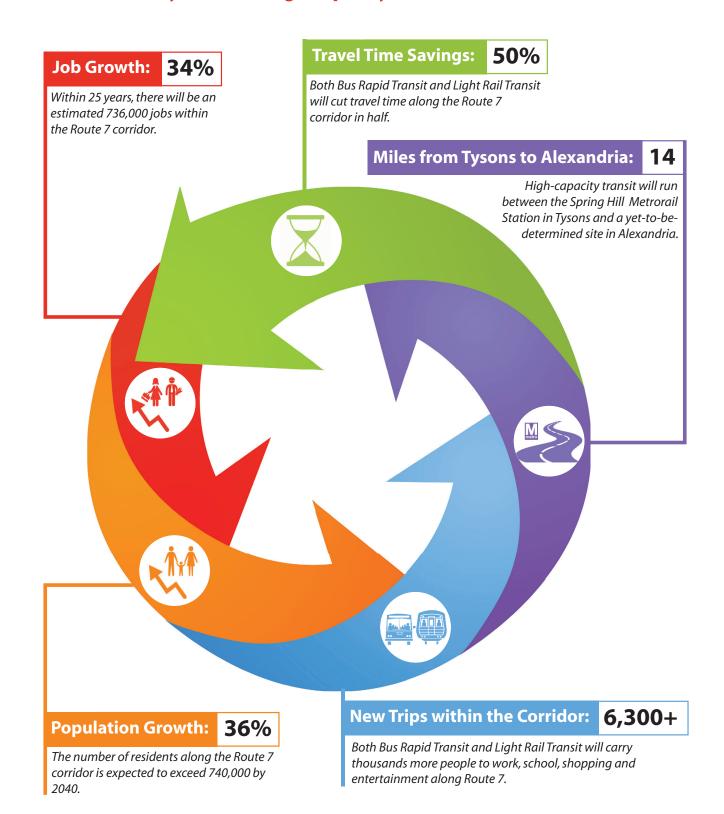
Visit **www.EnvisionRoute7.com**, email us at **EnvisionRoute7@nvtdc.org**, or call our comment line at any time and leave us a message: **844-RT7STUDY**.



ENVISION ROUTE 7

Route 7 Corridor Transit Study

Why consider high capacity transit on Route 7?



What type of transit service would best serve people and businesses in the corridor?

Bus Rapid Transit (BRT) Guideways

- Mixed-flow traffic: Vehicles operate with automobiles in an existing traffic lane
- **Dedicated lanes**: Lanes may be physically separated or denoted by pavement or markings

Vehicles

- Doors on both sides
- 120 persons per vehicle
- All-electric or hybrid power
- Larger windows
- Low-floor boarding/alighting



Light Rail Transit (LRT Guideways

- Operates on steel tracks
- **Dedicated rights of way**: Typically operates in dedicated space. Can include aerial structures to eliminate traffic conflicts.
- Developing technology may allow for inpavement power or no power in short sections.

Vehicles

- Doors on both sides
- 200 persons per vehicle
- · Uses overhead electric wires for power
- Low-floor boarding/alighting



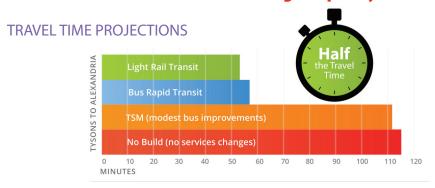




Transportation System Management (TSM) is another alternative being considered. TSM is a low-capital investment strategy that can improve transit system operations. TSM can be implemented using the following techniques:

- Signal improvements, reducing intersection delay
- Service changes
- Queue jumps to bypass traffic at intersections

What are the benefits of high capacity transit?



How much does high capacity transit cost?

Moves more people

ALIGNMENT CAPITAL COST ESTIMATES

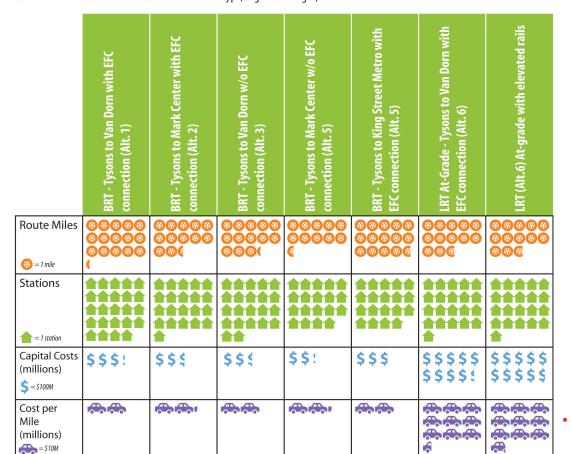
Offers higher quality service

Provides a faster trip

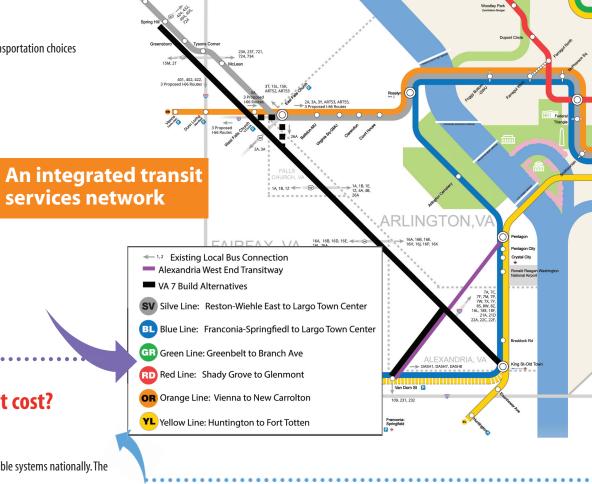
The capital costs of the seven alignment/mode options have been estimated based on comparable systems nationally. The estimates below have been tailored to account for mode type, alignment length, and location.

Connects people and businesses to economic opportunity

Increases transportation choices



EFC - East Falls Church Metrorail Station



ANNUAL OPERATING COSTS (MILLIONS)

Projected annual operating costs are an important measure of the long-term viability of a high-capacity transit system. Comparable national systems were used to develop cost estimates for LRT and BRT.

