

## **Transitway Corridor Feasibility Study**

### **Summary of Key Issues and Constraints for Corridors A and B**

#### **Corridor A (Route 1/North-South) Key Issues and Constraints**

- Significant travel demand (local and regional) in the north-south direction in east Alexandria
- Significant peak period congestion on US 1 (Patrick and Henry Streets) and Washington Street
- Narrow rights-of-way compared to functional needs of streets
- Narrow travel lanes on Route 1
- Narrow sidewalks and lack of room for shelters
- Impacts to Streetscapes
- Noise, vibration and Air quality impacts, especially to historic structures
- Compatibility with Land Use and Historic Character
- Impacts to existing on-street parking
- Limited enforcement of HOV lanes
- Location of Metrorail stations doesn't

#### **Corridor B (Duke Street) Key Issues and Constraints**

- Transit is needed to support future growth
- Need to coordinate with future development including Landmark Mall
- Congestion in the area between Quaker Lane and Telegraph Road, and need to maintain capacity
- Constrained areas with only 4 lanes (Jordan to Roth Street)
- Service roads are valued by the community (Need for trash pickup, deliveries, parking)
- Streetscape Impacts along Duke Street

- Pedestrian safety, especially across Duke Street, such as at Taylor Run Parkway
- Concern of Right-of-way impacts to private properties
- Lack of east-west bicycle facilities along or near Duke Street
- Need improved multi-modal connectivity to Eisenhower Avenue
- Need for a multi-phased approach to implementing the transitway
- Need dedicated lanes for system effectiveness