

# Durham-Orange Corridor

(Durham to Chapel Hill)



## CORRIDOR QUICK FACTS

### LRT

#### Capital Cost Estimates

- System Total: \$1.4B (2011 Dollars)
- Cost per Mile: \$82M per mile (2011 Dollars)

#### Initial Operating & Maintenance (O&M) Cost Estimates

- Approximately \$14.3M (2010 Dollars)

#### Operations

- Length: 17 miles
- Travel Time: 34 minutes
- Average Speed: 29 to 30 miles per hour

#### Preliminary Ridership Forecasts

- Average Daily Trips: 12,000 to 13,000

### BRT

#### Capital Cost Estimates

- System Total: \$800M - \$950M (2011 Dollars)
- Cost per Mile: \$45M - 54M per mile (2011 Dollars)

#### Initial Operating & Maintenance (O&M) Cost Estimates

- Approximately \$10.4M (2010 Dollars)

#### Operations

- Length: 17 miles
- Travel Time: 38 to 40 minutes
- Average Speed: 25 to 27 miles per hour

#### Preliminary Ridership Forecasts

- Average Daily Trips: 11,000 +/-

## DETAILED EVALUATION CRITERIA

GOALS	EVALUATION CRITERIA	MEASURE
<b>GOAL 1</b> <i>Improve mobility through and within the study corridor.</i> <b>GOAL 2</b> <i>Increase transit efficiency and quality of service.</i> <b>GOAL 3</b> <i>Improve transit connections.</i>	Ridership and Destinations Served	+ Ridership forecasts + Connection to Raleigh Multimodal Center + Ability to serve major activity centers
	Transportation Operations	+ Traffic Impacts / Traffic lanes lost + Travel Times + Compatibility with Existing & Planned Transit
	Expansion Potential	+ Ability to serve travel markets beyond the corridor with future extensions
<b>GOAL 4</b> <i>Support local and regional economic development and planned growth management initiatives.</i>	Stakeholder Support	+ Results from public and agency stakeholder meetings
	Economic Development Potential Transit-supportive Land Uses	+ Vacant parcels within one-half mile of stations + Amount of employment (location of major employers, future job creation, job growth) + Degree to which an alternative would reinforce and complement existing and proposed transit-supportive development
<b>GOAL 5</b> <i>Foster environmental stewardship.</i>	Environmental Impacts	+ Neighborhood impacts + Property impacts + Visual impacts + Floodplains and riparian area impacts + Historic Resource Impacts + Air Quality Impacts
<b>GOAL 6</b> <i>Provide a cost-effective transit investment.</i>	Engineering Issues Cost	+ Capital costs + Operating & Maintenance (O&M) costs + Construction impacts + Parking impacts + Engineering constraints