

Durham-Orange Alternatives

9/14/2010		Mobility		Socioeconomic				Land Use		Financial		
Study Corridor	Corridor Length (mi)	Total In Corridor Trips per Mile	Rail Trips/Mile	Population Density	Employment Density	Low Income Population Density	Minority Population Density	Supports Transit Oriented Development	Development Potential	Capital Cost per Mile	Capital Cost/ Weekday Transit Trip	Operating & Maintenance Cost/ Weekday Transit Trip
Durham-Orange Alternative 1 UNC Hospitals to Wake Forest	59											
Durham-Orange Alternative 2 Duke Medical to Downtown Raleigh	29											
Durham-Orange Alternative 3 UNC Hospitals to Triangle Metro Center	26											
Durham-Orange Alternative 4 UNC Hospitals to Alston Ave	17											
Durham-Orange Alternative 5 UNC Hospitals to Gateway	7											
Durham-Orange Alternative 6 Gateway to Alston Ave	10											
Summary of Evaluation Criteria and Rankings												
High Performer	=	>22,060 Trips/Mile	>363.5 Trips/Mile	> 3.9 Households/Acre	>13.3 Jobs/Acre	>0.61 Persons/Acre	>1.61 Persons/Acre	High	High & High/Moderate	<\$62.0 M/Mile	<\$56.9/Trip	<\$9.9/Trip
Average Performer	=	18,452 - 22,060 Trips/Mile	311.3-363.5 Trips/Mile	2.9 - 3.9 Households/Acre	10.3 - 13.3 Jobs/Acre	0.38 - 0.61 Persons/Acre	1.04 - 1.61 Persons/Acre	High/Moderate	Moderate	\$62.0 - \$66.3 M/Mile	\$56.9-66.4/Trip	\$9.9-12.1/Trip
Low Performer	=	<18,452 Trips/Mile	<311.3 Trips/Mile	<2.9 Households/Acre	<10.3 Jobs/Acre	<0.38 Persons/Acre	<1.04 Persons/Acre	Moderate	Low & Low/Moderate	>\$66.3 M/Mile	>\$66.4/Trip	>\$12.1/Trip

Note: The breakpoints for the bins are ±0.5 standard deviations from the mean.

Wake County Alternatives

9/14/2010		Mobility		Socioeconomic				Land Use		Financial		
Study Corridor	Corridor Length (mi)	Total In Corridor Trips per Mile	Rail Trips/Mile	Population Density	Employment Density	Low Income Population Density	Minority Population Density	Supports Transit Oriented Development	Development Potential	Capital Cost per Mile	Capital Cost per Weekday Transit Trip	Operating & Maintenance Cost/ Weekday Transit Trip
Wake Alternative 1 UNC Hospitals to Wake Forest	59	●	●	○	○	●	●	●	○	●	●	●
Wake Alternative 2 Triangle Metro Center to Wake Forest	33	●	○	●	○	○	○	●	●	●	●	●
Wake Alternative 3 Veridea to Wake Forest	33	●	○	●	○	○	○	●	●	●	●	●
Wake Alternative 4 Downtown Cary to Wake Forest	25	●	○	●	●	○	○	●	●	●	●	●
Wake Alternative 5 State Fairgrounds to Wake Forest	20	●	○	●	●	○	○	●	●	●	○	○
Wake Alternative 6 Downtown Raleigh to Wake Forest	17	●	○	●	●	○	○	●	●	●	○	○
Wake Alternative 7 Triangle Metro Center to NERC	24	●	●	●	●	○	○	○	●	●	●	●
Wake Alternative 8 Northwest Cary to NERC	18	●	●	●	●	●	●	●	●	●	●	●
Wake Alternative 9 Downtown Cary to NERC	16	●	●	●	●	●	●	●	●	●	●	●
Wake Alternative 10 State Fairgrounds to NERC	11	●	●	●	●	●	●	●	●	○	●	●
Wake Alternative 11 Downtown Raleigh to NERC	8	●	●	●	●	●	●	●	●	○	○	●
Wake Alternative 12 Duke Medical to Downtown Raleigh	29	●	○	●	●	●	●	●	●	●	●	●

Summary of Evaluation Criteria and Rankings													
High Performer	=	●	>22,060 Trips/Mile	>363.5 Trips/Mile	> 3.9 Households/Acre	>13.3 Jobs/Acre	>0.61 Persons/Acre	>1.61 Persons/Acre	High & High/Moderate	High & High/Moderate	<\$62.0 M/Mile	<\$56.9/Trip	<\$9.9/Trip
Average Performer	=	●	18,452 - 22,060 Trips/Mile	311.3-363.5 Trips/Mile	2.9 - 3.9 Households/Acre	10.3 - 13.3 Jobs/Acre	0.38 - 0.61 Persons/Acre	1.04 - 1.61 Persons/Acre	Moderate	Moderate	\$62.0 - \$66.3 M/Mile	\$56.9-66.4/Trip	\$9.9-12.1/Trip
Low Performer	=	○	<18,452 Trips/Mile	<311.3 Trips/Mile	<2.9 Households/Acre	<10.3 Jobs/Acre	<0.38 Persons/Acre	<1.04 Persons/Acre	Low & Low/Moderate	Low & Low/Moderate	>\$66.3 M/Mile	>\$66.4/Trip	>\$12.1/Trip

Note: The breakpoints for the bins are ±0.5 standard deviations from the mean.