

## SOUTH LINK TIER II EVALUATION

Criteria	TSM	Alt. 3 LRT	Alt. 5 Metrorail	Alt. 5A Hybrid	Alt. 6 BRT
Total Transit Trips	304,720	310,592	309,187	309,187	307,879
Total Transit Boardings	606,413	614,054	602,673	602,673	615,945
Rail Boardings	235,712	257,798	244,516	244,516	238,100
Bus Boardings	330,643	315,923	317,656	317,656	337,479
Capital Costs	\$126.5 million	\$853.9 million	\$1,649.8 million	\$1,208.6 million	\$423.3 million
O&M Costs (Change from No-Build)	\$8.2 million	\$19.2 million	\$37.5 million	\$37.5 million	\$10.8 million
Travel Time Savings/Day over TSM	-	4,314.5 Hours	4,515 Hours	4,515 Hours	2,062 Hours
Current Employment near stations	40,313	34,036	24,478	24,478	39,420
Future Employment near stations	59,869	50,010	35,759	35,759	58,792
Current Pop near stations	57,871	47,746	32,848	32,848	56,515
Future Pop near stations	98,173	79,125	57,318	57,318	95,012
Current Low-income HH	2,766	2,298	1,075	1,075	3,560
Auto/Transit conflicts	45	45	0	32	34
Annual cost /new rider	\$23.56	\$38.36	\$89.70	\$72.98	\$25.94
System operating cost /passenger mile	\$0.96	\$0.65	\$0.97	\$0.97	\$0.41
Change in VMT	35,012	-56,488	-67,980	-67,980	-63,612
Change in emissions (CO <sub>2</sub> tons/year)	6,094	-9,831	-11,831	-11,831	-11,071
Energy consumption (BTU/year)	79,654	-128,513	-154,658	-154,658	-144,720
Cost/hour of user benefit.	-	\$58.14	\$109.88	\$88.30	\$31.83
Transit Supportive Land Use (Existing)	Supportive	Not Supportive	Not Supportive	Not Supportive	Supportive with modifications
Land Use impacts	Minimal changes	Densification along corridor	Densification around stations	Densification around stations	Moderate Corridor densification
Traffic Impacts	0	+6.21 hours	-9.97 hours	-2.16 hours	-5.56 hours
Visual Impacts	None	Moderate	Very High	High	Moderate
Noise Impacts	None	Moderate	High	High	Moderate