

Sound Transit Regional Transit System Costs per Ride

County System Results⁸

2005 Year Cost Per Ride

Averages thru 2025 All in 2005 \$1000s	Central Link IS	Souder South	Souder North	Souder Combined	Total REX	Metro Transit	Community Transit	Pierce Transit	Souder South	Souder North	Souder Total	Total REx
Total Capital Cost (YOES) ¹	2,416,200	842,100	384,550	1,226,650	224,700							
Total Capital Cost (2005\$) ²	1,970,200	885,400	392,550	1,277,950	200,900							
Annualized Capital Cost ^{3,10}	157,210	70,380	28,600	98,980	22,890	79,875	7,136	15,849	70,380	28,600	98,980	22,890
Average Annual O&M ⁴	37,970	23,550	9,490	33,040	71,460	289,255	52,781	50,459	18,350	5,880	24,230	61,670
Avg Annual Capital+O&M	195,180	93,930	38,090	132,020	94,350	369,130	59,917	66,308	88,730	34,480	123,210	84,560
Average Annual Rides ^{1,4}	9,374	2,419	544	2,963	9,675	71,243	8,135	13,363	857	125	982	8,483
Average Ride Length (Mi) ⁵	7.3	20.0	25.0	21.0	15.0	6.2	12.6	6.7	20.0	25.0	21.0	15.0
Avg Annual Passenger-miles	68,430	48,370	13,610	62,220	145,130	441,469	102,350	89,216	17,140	3,130	20,620	127,250
Cost per Ride: ⁶												
Capital	\$16.77	\$29.10	\$52.54	\$33.41	\$2.37	\$1.12	\$0.88	\$1.19	\$82.12	\$228.80	\$100.79	\$2.70
O&M	\$4.05	\$9.74	\$17.44	\$11.15	\$7.39	\$4.06	\$6.49	\$3.78	\$21.41	\$47.04	\$24.67	\$7.27
Total	\$20.82	\$38.84	\$69.98	\$44.56	\$9.75	\$5.18	\$7.36	\$4.96	\$103.54	\$275.84	\$125.47	\$9.97
Farebox	\$0.86	\$2.46	\$2.46	\$2.46	\$1.33	\$0.85	\$1.38	\$0.58	\$2.46	\$2.46	\$2.46	\$1.33
Subsidy	\$19.96	\$36.38	\$67.52	\$42.10	\$8.42	\$4.33	\$5.98	\$4.38	\$101.08	\$273.38	\$123.01	\$8.64
Avg Ann Commuter Subsidy ⁷	\$9,981	\$18,188	\$33,760	\$21,049	\$4,211	\$2,166	\$2,992	\$2,191	\$50,538	\$136,690	\$61,504	\$4,319
Cost per Passenger-mile ⁸												
Capital	\$2.30	\$1.45	\$2.10	\$1.59	\$0.16	\$0.18	\$0.07	\$0.18	\$4.11	\$9.15	\$4.80	\$0.18
O&M	\$0.55	\$0.49	\$0.70	\$0.53	\$0.49	\$0.66	\$0.52	\$0.57	\$1.07	\$1.88	\$1.17	\$0.48
Total	\$2.85	\$1.94	\$2.80	\$2.12	\$0.65	\$0.84	\$0.59	\$0.74	\$5.18	\$11.03	\$5.97	\$0.66

¹ Source: Sound Transit 2005 Financial Plan Baseline v.1 (November 2004).

² Adjusted to 2005\$ using Sound Transit 2005 Cost Indices estimates.

³ Annualized Capital Cost calculated per Table 3-7, FTA New Starts Manual.

Can be found at: <http://www.fta.dot.gov/library/policy/ns/2001/34.html>

⁴ Average for operating years thru 2025 plus project design costs prior to start of operations.

⁵ Estimated by Maclsaac for Sound Transit projects.

⁶ Above cost estimates divided by Average Annual Rides.

⁷ Subsidy per Ride x 2 Rides/day x 250 days/year.

⁸ Above cost estimates divided by Average Annual Rides x Ride Length.

⁹ From National Transit Database.

5-Year Average: 1999 thru 2003.

All costs inflated to 2005\$.

Fixed non-electric bus routes only, but includes dual-mode bus routes.

¹⁰ Capital costs are spending during the 5-year period only; they do not include initial system costs.