

**Central Waterfront
Single Bore Tunnel Only
COST ESTIMATE**
Planning Level Estimate
Summary

Item Description		LOWER Cost in Millions		UPPER Cost in Millions	
New City Streets		8		8	
South Tunnel Entry		38		38	
Bored Tunnel		330		330	
North Tunnel Entry		42		42	
Allowance for Ramps		20		20	
Subtotal - Structures		430		430	
Utilities		47		47	
Tunnel Systems		159		159	
Subtotal Direct Cost		644		644	
Construction Allowance for Underdeveloped Design	Add	20.0%	773	25.0%	805
Contractor Mobilization, Overhead, & Profit	Add	10.0%	850	19.4%	961
CONSTRUCTION ESTIMATE		\$850		\$961	
Contract Management, Admin, & Construction Management	Add	9.00%	77	15.50%	149
Preliminary & Final Design	Add	10.00%	85	15.75%	151
Tunnel Cost (without Escalation & Contingency/ Risk)		1,012		1,262	
Contingency	Add	12%	1,133	12%	1,413
Risk	Add	18%	1,337	28%	1,809
Escalation (2.5% per year - 2008 to year of expenditure)	Add	15.55%	1,545	15.55%	2,090
Right-of-Way Costs		40		40	
PROGRAM COSTS FOR TUNNEL ONLY		\$1,585		\$2,130	
PROGRAM COST FOR: Seawall		189		256	
Waterfront Utility Relocation		41		56	
Alaskan Way / Western Couplet		133		180	
Other City Street Work		49		66	
Transit		9		12	
Other		83		112	
PROGRAM COSTS FOR SINGLE TUNNEL SCENARIO		\$2,088		\$2,812	