

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

Item Description		LOWER		UPPER
		Cost in Millions		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