

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

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