

Fall 2021 Community Input Survey

Only options 1 & 2 considered





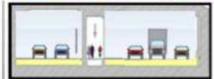




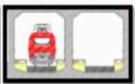
Option 2: One Bridge



Best Option not considered: Immersed Tunnel







A few Immersed Tunnel advantages vs. Bridge

Half as long and the half total grade

Natural earthquake resistance, buoyancy during liquefaction

Simpler and more flexible design, number of lanes

More local labor, materials, and technology, similar to floating bridge construction

Can be built at shipyard (steel shell - Vigor) or graving yard (concrete)

Better freight mobility, half as much grade

Safer, less grade and weather protected

Better access for walkers and cyclists

Less noise, air pollution, and visual impacts

Allows waterfronts for parks

Less energy consumption and green house gases

Better light rail station locations, near Vancouver & Hayden Island riverfronts

Less cost, see Vancouver and Denmark immersed tunnel vs. bridge studies

Better connections to current interchanges at grade level, SR-14 & Hayden island

No need for massive elevated interchanges on Vancouver & Hayden Island, \$1 billion savings

No need for expensive drilled shafts, bridge piers, and 500-ton trusses

No air space conflict with FAA

No navigation conflict with USCG

Allows barge channel in center of river, required by USACE