

Nelson Canyon Bridge Update

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Presentation Outline

1. Options Update
2. Recommendation

1 Nelson Canyon Options Update

Nelson Canyon Bridge

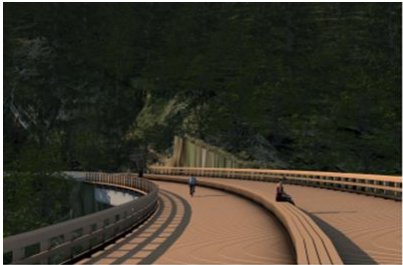
- constructed 1956
- located south of Nelson Canyon Park, north of Highway 1
- part of the Trans-Canada Trail network, closed to vehicular traffic
- carries critical watermain transmission line to western District
- **spring peak traffic: 226 pedestrians (April 18 – Good Friday)**



Nelson Canyon Bridge Options

Option 1: Full-Width Timber Deck Replacement with Seismic Upgrades

- replace existing concrete deck with 8 m wide Glulam lightweight timber
- seismic preventative added to base of foundations
- water main realigned under protective bench
- **cost - \$1,500,000**



Nelson Canyon Bridge Options

Option 2: Half-Width Timber Deck Replacement with Seismic Upgrades

(with protective fence)

- replace concrete deck with 4 m wide Glulam lightweight timber
- protective fence (expandable metal fence and barbed wire)
- seismic preventative added to base of foundations
- water main realigned under protective bench
- **cost - \$1,400,000**



2 Recommendation

Recommendation

THAT staff be directed to proceed with the Nelson Canyon Bridge Project by moving forward with the following next steps:

1. pursue the renewal of Nelson Canyon Bridge, which includes a full-deck replacement, and seismic upgrades described in Option 1; and
2. staff report back to Council with an update on available funding mechanisms, a proposed project timeline and detailed Class A cost estimate.

Thank You!
Questions?

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