

Bridge File 00110 - Options for Replacement

Option	Activity	Near Term Effect	Near Term Estimated Cost	Long Term Effect	Long Term Estimated Cost	Lost Cost	Explain	Risk Level	Explain
1	Fast-track design (2024) of new bridge and advance construction (2025)	none	\$150,000	New bridge in place (2025)	\$1,000,000	0%	no lost value There may be a requirement to defer a planned 2025 activity in its place that also has poor rating and may become a near term issue with similar magnitude.	Moderate	Delays to "other" bridges that will be bumped back in timeline to accommodate this project. The "other" locations were ahead of this one as they were deemed to be in worse condition at previous inspections.
2	Purchase Temporary Bridge and install it on top of existing bridge	Bridge reopened with restrictions within 3 months	\$175,000	New bridge in place (2026)	\$1,275,000	\$35,000 Lost 20% of Near Term cost lost by reduced lifecycle of temporary bridge	Temporary Bridge could be a purchased structure that could be relocated and reused in similar circumstances.	Moderate	Timeline to deliver structure and put in place if it is not readily available in the market. Confirmation that this is acceptable option from structural design perspective and requires Alberta Transportation approval.
3	Fast-track design (2024) of interim repairs and complete short term fix (1-3 years)	Bridge reopened with restrictions within 6 months	\$150,000	New bridge in place (2026)	\$1,250,000	\$150,000 Lost 100% of Nerm Term cost lost by removal of fixes	All of the interim repairs and rehabilitation activities will be removed with construction of the new bridge	High	Bridge deck needs to be removed and repairs done to piles and wingwalls. Once opened up, we may find additional structural issues that increase cost and add delays.
4	Do nothing - design (2025), construct (2026)	none	\$0	New bridge in place (2026)	\$1,150,000	0%	no lost value	Low	No additional risks identified.

* Under all scenarios, the roadway most likely require an interim closure to complete the permanent fix. There will be better opportunity to coordinate the timing, duration and impacts in a planned construction project.