

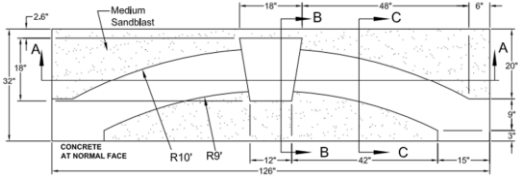






Appendix 1: Assessment of Commemoration Alternatives

Option	Description	Impact	Audience Exposure	Key Implementation Factors	Cost	Example
Arch façades	Timber or steel arch façade installed on the outside of the new bridge deck.	High. Arches will appear visually similar to historic structure.	Low. Rural area with primary users of bridge being local commuters and relatively few pedestrians.	Increased loading on new bridge means larger structural components. Will require additional maintenance.	\$700k to \$800k	
	Concrete arch façade installed on the new bridge deck.	High. Arches will appear similar to existing structure.	Low. Rural area with primary users of bridge being local commuters and relatively few pedestrians.	Can be constructed along bridge railings, meaning bridge deck does not need to be larger. Barrier and arch may accumulate snow and salt laden water, leading to increased maintenance. Increased load on bridge may require larger structural components.	\$500k to \$600k	
Embossed solid concrete barrier	The exterior side of the concrete barriers include architectural arched “formliners” to emboss the arch shape on the concrete surface.	Medium-low. Arch shapes in barrier serve as reminder of historical arched bridge, but do not provide impactful visual cues of scale and size.	Very low. Audience would be users viewing the bridge from outside the barriers (watercourse users or pedestrians walking outside the bridge area).	“Formliners” are typically used only on the exterior side of barrier only to avoid snag points for vehicles if striking the barrier. Minimal structural accommodations are needed with this option. This type of barrier is suitable for Old Shiloh Road.	\$90k to \$110k	

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Option	Description	Impact	Audience Exposure	Key Implementation Factors	Cost	Example
Decorative concrete barrier	The bridge barriers would have open arches (not exactly as shown in the example photo).	Medium-low. Arch shapes in barrier serve as reminder of historical arched bridge, but do not provide impactful visual cues of scale and size.	Low. Rural area with primary users of bridge being local commuters and relatively few pedestrians.	Minimal structural accommodations are needed with this option. This type of barrier is suitable for Old Shiloh Road.	\$140k- \$160k	
Reuse of the existing bridge	Reuse the bridge as a pedestrian bridge in another area of Town.	Highest. This would keep the bridge in use, providing maximum commemorative value.	Medium. A suitable watercourse or low lying area would need to be found. Likely only the audience using the walking / cycling would benefit.	Uncertain feasibility. Arches may not support self-weight and collapse or crumble when being removed for transport. Structural stability of relocated bridge will be difficult to ensure.	\$1,000,000	
Erection of all or part of the existing bridge	All or part of one existing bridge arch could be salvaged and relocated to be displayed.	Very high. Displaying a section or the full bridge would visually remind the audience of the existing structure in its current setting. The audience could physically touch the existing bridge.	Medium. The number of people who experience the display would be dependent on the location chosen, but would undoubtedly be more than the current bridge location.	Similar feasibility challenges as reuse of bridge, at somewhat lesser magnitude. Investigations and engineering design required to ensure structural stability at new location. An outdoor location Pioneer Village, Udora Hall or other publicly accessible area.	\$300k to \$700k	

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Option	Description	Impact	Audience Exposure	Key Implementation Factors	Cost	Example
Scale model	A three dimensional realistic scale model of bridge and its surrounding area.	High. The model visually displays the historic bridge in its setting.	High. The model could be placed in a high-traffic-pedestrian area such as the new Civic Centre for maximum exposure.	Few limitations	\$20k - \$30k	
Plaque	A commemorative plaque.	Medium to high. The plaque can include a photo and text describing the bridge's local importance and history.	Low. Rural area with primary users of bridge being local commuters and relatively few pedestrians.	The plaque would be located at the ends of the new bridge.	\$5k ea.	