

## Attachment-1 Cost Estimates of Alternatives

Table 0-1. Costing Summary of Alternatives 1, 2, 3

<b>Alternative 1 - Single Span Bridge</b>	
Engineering & Design	\$185,000.00
Construction	
Section A - Site Preparation and Removal (Excl of taxes)	\$121,600.00
Section B - Bridge Structure (Excl of taxes)	\$2,500,000.00
Section C - Restoration (Excl of taxes)	\$40,000.00
Section E - Contingency (20%)	\$569,320.00
<b>Sub Total (Excl of taxes)</b>	<b>\$3,230,920.00</b>
HST @ 13%	\$420,019.60
<b>Total Bid Price (Incl of taxes)</b>	<b>\$3,650,939.60</b>

<b>Alternative 2a - Two-Span Bridge (Hydro Relocation)</b>	
Engineering & Design	\$105,000.00
Construction	
Section A - Site Preparation and Removal (Excl of taxes)	\$185,600.00
Section B - Bridge Structure (Excl of taxes)	\$900,000.00
Section C - Restoration (Excl of taxes)	\$107,000.00
Section E - Contingency (20%)	\$259,520.00
<b>Sub Total (Excl of taxes)</b>	<b>\$1,452,120.00</b>
HST @ 13%	\$188,775.60
<b>Total Bid Price (Incl of taxes)</b>	<b>\$1,640,895.60</b>

<b>Alternative 2b - Two-Span Bridge (Hydro within Structure)</b>	
Engineering & Design	\$105,000.00
Construction	
Section A - Site Preparation and Removal (Excl of taxes)	\$390,600.00
Section B - Bridge Structure (Excl of taxes)	\$900,000.00
Section C - Restoration (Excl of taxes)	\$107,000.00
Section E - Contingency (20%)	\$300,520.00
<b>Sub Total (Excl of taxes)</b>	<b>\$1,698,120.00</b>
HST @ 13%	\$220,755.60
<b>Total Bid Price (Incl of taxes)</b>	<b>\$1,918,875.60</b>

<b>Alternative 3 - Three-Span Bridge</b>	
Engineering & Design	Total
Construction	
Section A - Site Preparation and Removal (Excl of taxes)	\$220,600.00
Section B - Bridge Structure (Excl of taxes)	\$800,000.00
Section C - Restoration (Excl of taxes)	\$127,000.00
Section E - Contingency (20%)	\$254,520.00
<b>Sub Total (Excl of taxes)</b>	<b>\$1,402,120.00</b>
HST @ 13%	\$182,275.60
<b>Total Bid Price (Incl of taxes)</b>	<b>\$1,584,395.60</b>

Detailed Costing Estimate for Alternative 2b – Double Span Bridge (Hydro within Structure).

Engineering & Design

1	Geotechnical Investigation for Bridge Design	1	LS	\$25,000	\$25,000
2	Design and Administration of Bridge Structure	1	LS	\$80,000	\$80,000

Section A Site Preparation and Removal

Item No.	Description	Est. Qty	Unit	Unit Price	Total
A1	Performance, Labour and Material Bonds	1	LS	\$20,000	\$20,000
A2	Project Signage	2	Ea	\$800	\$1,600
A3	Field Office	1	LS	\$5,000	\$5,000
A5	Construction Lay-out and Utility Locates	1	LS	\$8,000	\$8,000
A6	Hydro integration into bridge	1	Ls	\$265,000	\$265,000
A7	Access, Staging areas, Crane Pads & Rehabilitation	1	LS	\$25,000	\$25,000
A8	Traffic Control & Signage	1	LS	\$6,000	\$6,000
A9	Clearing & Grubbing, tree removals	1	LS	\$150,00	\$15,000
A10	Supply, Install & remove Construction Fence	1000	m	\$10	\$10,000
A11	Supply, install & remove sediment fence	1000	m	\$15	\$15,000

Section B Bridge Structure, Design & Construction

Item No.	Description	Est. Qty	Unit	Unit Price	Total
B1	Fabrication, supply, and erection of two-span steel bridge including foundations, helical piers, superstructure and handrails	1	LS	\$900,000	\$900,000

Section C Restoration

Item No.	Description	Est. Qty	Unit	Unit Price	Total
C1	Supply and Placement of Erosion Control Blanket	1	LS	\$18,000	\$18,000
C2	Supply and Application of Topsoil (300mm)	1	LS	\$20,000	\$20,000
C3	Supply and application of Terraseed Mixture	1	LS	\$19,000	\$19,000
C4	Additional Ecological Restoration	1	LS	\$50,000	\$50,000

Section D Contingency

Item No.	Description	Total
D1	Contingency (20%)	\$300,520