

APPENDIX 2 - COST ESTIMATES

Option Ref.	Description	Design life (yrs)	Baseline delivery cost (works plus fees)	Average risk delivery cost	Average risk B&NES funding requirement	Maximum risk delivery cost	Maximum risk B&NES funding requirement	Notes	Required inspection frequency	50yr inspection & maintenance cost	Average risk 50yr lifecycle cost	Average risk 50yr lifecycle B&NES funding requirement	Maximum risk 50yr lifecycle cost	Maximum risk 50yr lifecycle B&NES funding requirement
1	REFURBISHMENT TO RETAIN STRUCTURAL FORM AND IMPROVE STRUCTURAL PERFORMANCE													
	Dismantle the existing superstructure, fabricate new steelwork to match the existing design, retaining existing ironwork elements where possible. Re-build and re-deck. Retain and refurbish the towers.	At least 50 years	£2,193,000	£2,587,000	£2,087,000	£2,875,000	£2,375,000	Capital costs include £200k for removal of existing structure	Annual inspections. Principal Inspection every 3 years.	£412,000	£3,054,000	£2,554,000	£3,376,000	£2,876,000
2	REFURBISHMENT WITH NEW STEEL DECK													
	Dismantle the existing superstructure, introduce new steel beam deck with new supports. Refurbish the towers, re-erect hangers, chains and parapets.	120 years for new structure, less than 50 for retained ironwork	£1,523,000	£2,278,000	£1,978,000	£3,113,000	£3,113,000	Capital costs include £800k for new structure and £150k for refurbishment of existing Bridge.	Annual inspections. Principal Inspection every 3 years.	£767,000	£3,165,000	£2,865,000	£4,013,000	£4,013,000
3	NEW BRIDGE TO A HIGH QUALITY DESIGN													
	Remove the existing superstructure and piers and design and build a new deck to a very high standard of design. Option to incorporate the existing piers in a non-structural form.	120 years	£2,673,000	£3,178,000	£3,128,000	£3,878,000	£3,878,000	Capital costs include £200k for removal of existing structure	Inspection every 3 yrs. Principal Inspection every 6yrs.	£341,000	£3,549,000	£3,499,000	£4,255,000	£4,255,000
4	ABANDON THE CROSSING													
	Dismantle the existing superstructure, abandon the crossing point, and retain only the towers.	N/A	£623,000	£908,000	£858,000	£1,911,000	£1,911,000	Capital costs include £200k for removal of existing structure. Fees reduced to reflect minimal design effort required.	N/A	£8,000	£926,000	£876,000	£1,929,000	£1,929,000

Notes

1. For each option, average and maximum risk B&NES funding requirement figures are derived by subtracting the amount of funding deemed as obtainable from the BWR s106 Agreement under average and maximum risk scenarios from the respective average and maximum risk delivery costs.
2. For each option, average and maximum risk 50yr lifecycle B&NES funding requirement figures are derived by subtracting the amount of funding deemed as obtainable from the BWR s106 Agreement under average and maximum risk scenarios from the respective average and maximum risk 50yr lifecycle costs.
3. All costs are assumed to be at present day rates.
4. No allowance has been made for Net Present Values or inflation.
5. VAT is not included.

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