

Reading - East Bridge over River Kennet and associated works

Cost Estimate

Risk/contingency

Ref	Description	Likelihood	Owner	Impact	Delay allowed for	Prelims	Works	£
1	Stakeholder Groups / communications affect PR before / during / after project	4	E	Additional costs for public meeting Potential additional safety audits Potential changes to scheme once constructed	0		£ 50,000	£ 50,000
2	Uncharted / additional works to utilities	3	E	Employers Costs for Protection / Diversion works / Delys project	6	£58,000	£ 25,000	£ 373,000
3	Damage to existing trees	3	E	Additional costs to the Contractor	0		£ 15,000	£ 15,000
5	River conditions prevent / delay work, above contractor's risk	2	E	Delays and costs to Contractor / Employer	4	£58,000		£ 232,000
6	Archaeological Find	2	E	Delays and costs to Contractor / Employer	2	£58,000	£ 10,000	£ 126,000
7	Ground Conditions no site report.	4	E	Delay and costs to Employer	4	£58,000	£100,000	£ 332,000
8	Contamination discovered.	4	E	Delay and costs to Employer	4	£58,000	£100,000	£ 332,000
9	Design details not finalised at Tender (time, cost)	4	E	If issued after start of works will pay a premium	2		£ 25,000	£ 25,000
10	Illegal mooring delays work.	2	E	Delays project and costs to Employer	1	£58,000	£ -	£ 58,000
11	Extreme weather conditions	2	E	Delays and costs to Contractor / Employer	2	£58,000	£ -	£ 116,000
12	Pile refusal / underground obstructions.	1	E	Delays and costs to Contractor / Employer	0		£ 10,000	£ 10,000
13	UXO	1	E	Delays project and costs to Employer	1	£58,000	£ 5,000	£ 63,000
14	Unknown adjacent works conflict	1	E	Delays project and costs to Employer	1	£58,000	£ -	£ 58,000
15	Onerous EA requirements add to cost / time (e.g. materials storage locations)	2	E	Delays project and costs to Employer	2	£58,000	£ 25,000	£ 141,000
16	Poor ground conditions – difficult access conditions – additional temporary works	4	C	Contractors risk	0	£ -	£ -	£ -
17	Damage to Bridge (from river craft) during normal river conditions.	3	C	Delays and costs to Contractor	0	£ -	£ -	£ -
18	Design / method changes require additional temporary works.	3	C	Delay to contractor	0	£ -	£ -	£ -
19	Bespoke components on long lead ins	2	C	Delay and costs to contractor	0	£ -	£ -	£ -
20	Vandalism allowance (key request for a sum to be included from Anthony).	2	C	Contractors cost	0	£ -	£ -	£ -
21	Achieving required site tolerances	2	C	Delay and costs to contractor	0	£ -	£ -	£ -
22	Damage to Bridge (from river craft) during flood conditions	1	E	Delay and costs to contractor	0	£ -	£ -	£ -
23	Volume of work locally / in industry leads to higher than expected prices/inability to secure materials	2	E	Costs to Employer	0	£ -	£200,000	£ 200,000
24	Quality of fabrication and materials	1	C	Delay and costs to contractor	0	£ -	£ -	£ -
25	Extent of works required by Tesco	3	E	Costs to Employer	1	£58,000	£ 50,000	£ 108,000
26	Existing Footpath / Diversion	1	E	Costs to Employer	0	£ -	£ 10,000	£ 10,000
27	Specialist steelwork fabricators unable to obtain budget prices form suppliers / maufactor for CORETEN steelwork	1	E	Costs to Employer	0	£ -	£100,000	£ 100,000
28	Lack of detail at cost plan stage resulting in increases in budget	4	E	Costs to Employer	0	£ -	£100,000	£ 100,000
Total								£2,449,000
Likelihood					Least Likely	1	Likely	4