

T440: Project Risk Management Tool

Project Name		Betws Y Coed to Llanrwst Active Travel												
Risk ID	Category	Risk or Opportunity?	Technical Discipline	Risk Description (Describe Cost, Programme & Quality Impacts)	Initial Impact	Initial Probability	Initial Rating	Response (Mitigation and/or Contingency)	Risk Owner	Residual Impact	Residual Probability	Residual Rating	Status	Review Comments
1	Approval	Risk	Planning	Delay to planning consent or planning consent not being achieved.	Moderate	Unlikely	Low	Ongoing discussions with planning authority. Early submission of planning application to ensure consent before invitation for tenders	CCBC	Low	Possible	Low	Pending	
2	Approval	Risk	Planning	Discharge of pre-commencement planning conditions causing delay in commencement of works.	Moderate	Possible	Medium	1) schedule the relevant conditions in advance of Contractor appointment and issue as part of the tender documentation. This will enable all contractors to have visibility of what is expected from them and mitigate any delay. 2. Liaise with the Local Planning Authority to discharge as many conditions as possible prior to the Contractor being appointed.	CCBC	Low	Possible	Low	Pending	
3	Construction	Risk	Design	There are 'unforeseen works' that do not appear on record drawings and / or recent survey information undertaken to date, leading to increased costs.	Moderate	Possible	Medium	Analyse what surveys have been undertaken to date to understand whether there are any gaps in delivery. Risk Contingency built into estimates.	CCBC	Moderate	Unlikely	Low	Pending	
4	General	Risk	Design	Detailed design aspirations do not align with the budget	Moderate	Possible	Medium	Contingency factored in to reflect current level of design. As detailed design developed and greater certainty, contingency/optimism bias to be reduced to align aspirations with funding and risk pot.	CCBC	Low	Unlikely	Low	Pending	
5	Approval	Risk	Drainage	SUDS application - SAB. Increase in areas of hardstanding will require SAB approval.	Moderate	Probable	Medium	Early pre approval in principle of design by SAB champion, to mitigate lengthier approval processes for full application at end of detailed design	CCBC	Moderate	Possible	Medium	Pending	
6	General	Risk	Design	Opposition to new structure in proximity to existing Sappers Bridge	High	Unlikely	Medium	Ongoing consultation local stakeholders to ensure buy-in to the project	CCBC	Moderate	Unlikely	Low	Pending	
7	Commercial & Contracts	Risk	Commercial	Limited Tender Returns leading to uncompetitive bid submissions, outside of funding.	Moderate	Unlikely	Low	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Moderate	Very Unlikely	Low	Pending	
8	Commercial & Contracts	Risk	Commercial	Uneconomic Tender Returns	High	Possible	Medium	Further cost review following detailed design to identify changes to costs. Contingency built into estimates.	CCBC	Moderate	Possible	Medium	Pending	
9	Commercial & Contracts	Risk	Construction	Poor availability of adequate skills and labour resulting in increased costs	Moderate	Unlikely	Low	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Low	Unlikely	Low	Pending	
10	General	Risk	Design	Unforeseen location, land and access constraints	Moderate	Unlikely	Low	PM to work with relevant highway authority and landowners to achieve access	CCBC	Low	Unlikely	Low	Pending	
11	Commercial & Contracts	Risk	Commercial	Contractor insolvency / non-performance	Very High	Unlikely	Medium	Contractor's financial standing assessed during the tender period	CCBC	Moderate	Very Unlikely	Low	Pending	
12	Health & Safety - Other	Risk	Health and Safety	Increased Health and Safety / CDM related incidents - during construction	Moderate	Very Unlikely	Low	Thorough consultation with all Stakeholders prior to main Contractor appointment so that the Contractor can be briefed with all the necessary information to undertake a robust risk assessment and method statement.	Contractor	Low	Very Unlikely	Low	Pending	
13	General	Risk	Design	Inaccurate survey information resulting in design changes during construction	Moderate	Unlikely	Low	Full specification of surveys to be completed before tenders are issued	CCBC	Low	Unlikely	Low	Pending	
14	General	Risk	Construction Traffic Management	Traffic disruption on site during the construction phase of the project could lead to congestion at key times resulting in complaints from the local community / residents.	Low	Possible	Low	Agree full construction traffic management plan to minimise disruption and noise to stakeholders and residents	Contractor	Low	Unlikely	Low	Pending	
15	Project Capital Cost	Risk	Commercial	Unforeseen Third party land negotiations	Moderate	Unlikely	Low	Undertake full analysis of land boundary interactions when completing detailed design	CCBC	Low	Unlikely	Low	Pending	
16	General	Risk	Design	Full active travel guidance compliance difficult throughout entire route in areas of space constraints .	Moderate	Possible	Medium	Early clarification needed on the type of route required which will determine required widths. i.e. 20mph through village, Street scaping and traffic calming, Shared use route for cyclist/pedestrian or a footway for pedestrian use only. Early agreement of departure with Welsh Gov, if required.	CCBC	Low	Possible	Low	Pending	
17	General	Risk	Monitoring	Forecast level of usage is below that predicted, reducing the overall benefits of the project	Low	Unlikely	Low	Once scheme is open, undertake marketing campaign to illustrate the functionality of the scheme to locals and tourists	CCBC	Low	Very Unlikely	Low	Pending	
18	Construction	Risk	Statutory Undertakers	Extents of existing utilities within scheme area currently unknown. Potential liaison/diversionary works with stat companies associated with the construction of scheme.	High	Possible	Medium	Early engagement with utility companies. Stat plans produced as one of first tasks.	CCBC	Moderate	Possible	Medium	Pending	
19	Construction	Risk	Environmental	Weather events impacting on construction works, causing programme delay beyond funding window.	Moderate	Possible	Medium	Allow contingency within construction programme. Regular risk meetings to mitigate programme delays.	CCBC	Low	Possible	Low	Select from dropdown	

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Project Name		Glan Conwy to Llandudno Junction Active Travel												
Risk ID	Category	Risk or Opportunity?	Technical Discipline	Risk Description (Describe Cost, Programme & Quality Impacts)	Initial Impact	Initial Probability	Initial Rating	Response (Mitigation and/or Contingency)	Risk Owner	Residual Impact	Residual Probability	Residual Rating	Status	Review Comments
1	Approval	Risk	Planning	Delay to planning consent or planning consent not being achieved.	Moderate	Unlikely	Low	Ongoing discussions with planning authority. Early submission of planning application to ensure consent before invitation for tenders	CCBC	Low	Possible	Low	Pending	
2	Approval	Risk	Planning	Discharge of pre-commencement planning conditions causing delay in commencement of works.	Moderate	Possible	Medium	1) schedule the relevant conditions in advance of Contractor appointment and issue as part of the tender documentation. This will enable all contractors to have visibility of what is expected from them and mitigate any delay. 2. Liaise with the Local Planning Authority to discharge as many conditions as possible prior to the Contractor being appointed.	CCBC	Low	Possible	Low	Pending	
3	Construction	Risk	Design	There are 'unforeseen works' that do not appear on record drawings and / or recent survey information undertaken to date, leading to increased costs.	Moderate	Possible	Medium	Analyse what surveys have been undertaken to date to understand whether there are any gaps in delivery. Risk Contingency built into estimates.	CCBC	Moderate	Unlikely	Low	Pending	
4	General	Risk	Design	Detailed design aspirations do not align with the budget	Moderate	Possible	Medium	Contingency factored in to reflect current level of design. As detailed design developed and greater certainty, contingency/optimism bias to be reduced to align aspirations with funding and risk pot.	CCBC	Low	Unlikely	Low	Pending	
5	Approval	Risk	Drainage	SUDS application - SAB. Increase in areas of hardstanding will require SAB approval.	Moderate	Probable	Medium	Early pre approval in principle of design by SAB champion, to mitigate lengthier approval processes for full application at end of detailed design	CCBC	Moderate	Possible	Medium	Pending	
6	General	Risk	Design	Network Rail/TFW oppose the active travel bridge across the Conwy Valley Railway line	High	Unlikely	Medium	Ongoing consultation with TFW and Network Rail to ensure buy-in to the project	CCBC	Moderate	Unlikely	Low	Pending	
7	Commercial & Contracts	Risk	Commercial	Limited Tender Returns leading to uncompetitive bid submissions, outside of funding.	Moderate	Unlikely	Low	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Moderate	Very Unlikely	Low	Pending	
8	Commercial & Contracts	Risk	Commercial	Uneconomic Tender Returns	High	Possible	Medium	Further cost review following detailed design to identify changes to costs. Contingency built into estimates.	CCBC	Moderate	Possible	Medium	Pending	
9	Commercial & Contracts	Risk	Construction	Poor availability of adequate skills and labour resulting in increased costs	Moderate	Unlikely	Low	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Low	Unlikely	Low	Pending	
10	General	Risk	Design	Unforeseen location, land and access constraints	Moderate	Unlikely	Low	PM to work with relevant highway authority and landowners to achieve access	CCBC	Low	Unlikely	Low	Pending	
11	Commercial & Contracts	Risk	Commercial	Contractor insolvency / non-performance	Very High	Unlikely	Medium	Contractor's financial standing assessed during the tender period	CCBC	Moderate	Very Unlikely	Low	Pending	
12	Health & Safety - Other	Risk	Health and Safety	Increased Health and Safety / CDM related incidents - during construction	Moderate	Very Unlikely	Low	Thorough consultation with all Stakeholders prior to main Contractor appointment so that the Contractor can be briefed with all the necessary information to undertake a robust risk assessment and method statement.	Contractor	Low	Very Unlikely	Low	Pending	
13	General	Risk	Design	Inaccurate survey information resulting in design changes during construction	Moderate	Unlikely	Low	Full specification of surveys to be completed before tenders are issued	CCBC	Low	Unlikely	Low	Pending	
14	General	Risk	Construction Traffic Management	Traffic disruption on site during the construction phase of the project could lead to congestion at key times resulting in complaints from the local community / residents.	Low	Possible	Low	Agree full construction traffic management plan to minimise disruption and noise to stakeholders and residents	Contractor	Low	Unlikely	Low	Pending	
15	Project Capital Cost	Risk	Commercial	Unforeseen Third party land negotiations	Moderate	Unlikely	Low	Undertake full analysis of land boundary interactions when completing detailed design	CCBC	Low	Unlikely	Low	Pending	
16	General	Risk	Design	Full active travel guidance compliance difficult throughout entire route in areas of space constraints .	Moderate	Possible	Medium	Early clarification needed on the type of route required which will determine required widths. i.e. 20mph through village, Street scaping and traffic calming, Shared use route for cyclist/pedestrian or a footway for pedestrian use only. Early agreement of departure with Welsh Gov, if required.	CCBC	Low	Possible	Low	Pending	
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Project Name		Trefriw Flood Resilience												
Risk ID	Category	Risk or Opportunity?	Technical Discipline	Risk Description (Describe Cost, Programme & Quality Impacts)	Initial Impact	Initial Probability	Initial Rating	Response (Mitigation and/or Contingency)	Risk Owner	Residual Impact	Residual Probability	Residual Rating	Status	Review Comments
1	Approval	Risk	Planning	Planning consent required for certain aspects of the project causing delay to the works.	Moderate	Unlikely	Low	Ongoing discussions with planning authority to determine requirements for planning - initial discussions imply permitted development and no planning requirements.	CCBC	Low	Unlikely	Low	Pending	
2	Construction	Risk	Design	There are 'unforeseen works' that do not appear on record drawings and / or recent survey information undertaken to date, leading to increased costs.	Moderate	Possible	Medium	Analyse what surveys have been undertaken to date to understand whether there are any gaps in delivery. Risk Contingency built into estimates.	CCBC	Moderate	Unlikely	Low	Pending	
3	General	Risk	Design	Detailed design aspirations do not align with the budget	Moderate	Possible	Medium	Contingency factored in to reflect current level of design. As detailed design developed and greater certainty, contingency/optimism bias to be reduced to align aspirations with funding and risk pot.	CCBC	Low	Unlikely	Low	Pending	
4	Approval	Risk	Drainage	SUDS application - SAB. Increase in areas of hardstanding may require SAB approval.	Moderate	Probable	Medium	Early pre approval in principle of design by SAB champion, to mitigate lengthier approval processes for full application at end of detailed design	CCBC	Moderate	Possible	Medium	Pending	
5	General	Risk	Design	Local opposition to the flood mitigation proposals	High	Unlikely	Medium	Ongoing consultation with stakeholders to ensure buy-in to proposals	CCBC	Moderate	Unlikely	Low	Pending	
6	Commercial & Contracts	Risk	Commercial	Limited Tender Returns leading to uncompetitive bid submissions, outside of funding.	Moderate	Possible	Medium	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Moderate	Unlikely	Low	Pending	
7	Commercial & Contracts	Risk	Commercial	Uneconomic Tender Returns	High	Possible	Medium	Further cost review following detailed design to identify changes to costs. Contingency built into estimates.	CCBC	Moderate	Unlikely	Low	Pending	
8	Commercial & Contracts	Risk	Construction	Poor availability of adequate skills and labour resulting in increased costs	Moderate	Unlikely	Low	Undertake market analysis while developing final procurement strategy to identify route to market	CCBC	Low	Unlikely	Low	Pending	
9	General	Risk	Design	Unforeseen land and access constraints	Moderate	Unlikely	Low	PM to work with relevant highway authority and landowners to achieve access	CCBC	Low	Unlikely	Low	Pending	
10	Commercial & Contracts	Risk	Commercial	Contractor insolvency / non-performance	High	Unlikely	Medium	Contractor's financial standing assessed during the tender period	CCBC	Moderate	Very Unlikely	Low	Pending	
11	Health & Safety - Other	Risk	Health and Safety	Increased Health and Safety / CDM related incidents - during construction	Moderate	Unlikely	Low	Thorough consultation with all Stakeholders prior to main Contractor appointment so that the Contractor can be briefed with all the necessary information to undertake a robust risk assessment and method statement.	Contractor	Low	Very Unlikely	Low	Pending	
12	General	Risk	Design	Inaccurate survey information resulting in design changes during construction	Moderate	Unlikely	Low	Full specification of surveys to be completed before tenders are issued	CCBC	Low	Unlikely	Low	Pending	
13	General	Risk	Construction Traffic Management	Traffic disruption on site during the construction phase of the project could lead to congestion at key times resulting in complaints from the local community / residents.	Low	Possible	Low	Agree full construction traffic management plan to minimise disruption and noise to stakeholders and residents	Contractor	Low	Unlikely	Low	Pending	
14	Project Capital Cost	Risk	Commercial	Unforeseen Third party land negotiations	Moderate	Possible	Medium	Undertake full analysis of land boundary interactions when completing detailed design	CCBC	Low	Unlikely	Low	Pending	
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16	Construction	Risk	Environmental	Weather events impacting on construction works, causing programme delay beyond funding window.	Moderate	Possible	Medium	Allow contingency within construction programme. Regular risk meetings to mitigate programme delays.	CCBC	Low	Possible	Low	Pending	
17	General	Risk	Monitoring & Evaluation	The scheme does not reduce the level of flooding and further mitigation is required.	Moderate	Unlikely	Low	Fully assess the schemes during detailed design to ensure they mitigate the impact of increased levels of rain water.	CCBC	Low	Very Unlikely	Low	Pending	