

Risk Register for Worcester NPIF Bid

Rev: V1 06-2017

Jun-17

Scheme: Worcester City NPIF Bid

Milestone: Outline Business Case

Works Cost: Approx £5.0M

QRA Ref	Type	Description	Category	Mitigation owner	Support	Risk Assessment					Proximity (date)	Approach Avoid, Accept, Reduce, Transfer	Mitigation Measures	DATE OF UPDATE	STATUS	Residual Risk				
						Impact			Prob.	RAG						Impact			Prob.	RAG
						Cost	Time	Perf	Rating							Cost	Time	Perf	Rating	
Risk 1		Potential shortfall in WCC contributions	STRATEGIC / POLITICAL	WCC	CH2	M	M	M	L	2.00		Reduce	WCC to identify funding available and confirm	12/06/2017	Open	L	L	L	L	1.00
Risk 2		Insufficient design detail for accurate costing	DESIGN	WCC	CH2	H	H	H	H	9.00		Reduce	Meeting Martin Rowe 14-6-17. Details of schemes to be sent to CH2m. Nick Churchill and Gavin Loach have identified a number of key design parameters. Design specification created for forthcoming tender.	12/06/2017	Open	M	M	L	L	1.67
Risk 3		NPIF funding not available	STRATEGIC / POLITICAL	WCC	CH2	H	H	H	H	9.00		Reduce	Robust evidence funding bid. WCC Commitment to carry out works under future funding	13/06/2017	Open	M	L	L	L	1.33
Risk 4		Insufficient design detail to assess benefits requirements within the bid guidance	DESIGN	WCC	CH2	H	M	H	M	5.33		Reduce	WCC have a clear idea regarding what is required and all work to be delivered within the Public Highway	12/06/2017	Open	M	M	M	L	2.00
Risk 5		No access to current traffic model	DESIGN	WCC	CH2	H	H	H	H	9.00		Reduce	Worcester traffic model is available	12/06/2017	Open	L	L	L	L	1.00
Risk 6		Time limited grant, could affect delivery through any delays in programme. Delivery expectation 2018/19	STRATEGIC / POLITICAL	WCC	CH2	H	L	M	L	2.00		Reduce	WCC have an excellent track record for project delivery through DfT funding	12/06/2017	Open	M	L	L	L	1.33
Risk 7		Detailed design and business case not completed to programme	STRATEGIC / POLITICAL	WCC	CH2	M	H	H	M	5.00		Reduce	Sufficient resources allocated to detailed design and management of programme	12/06/2017	Open	L	H	L	L	1.67
Risk 8		Tender price exceeds programme/budget	PROCUREMENT	WCC	CH2	H	H	H	L	3.00		Reduce	Sufficient risk budget in place, management of design and accurate costing at final design stage. Rescope and redesign proposals if necessary. Early contractor involvement	12/06/2017	Open	M	L	L	L	1.33
Risk 9		Procurement process delays programme	PROCUREMENT	WCC	CH2	L	H	M	L	2.00		Reduce	WCC will use a term contractor and involved them early	12/06/2017	Open	M	M	L	L	1.67
Risk 10		Potential to over/under design impact of development and background traffic growth. In addition high level of committed development including sites with New Town Planning Status	PREDESIGN	WCC	CH2	H	H	H	M	6.00		Reduce	Scheme scope will not rely on Modelling	12/06/2017	Open	L	L	L	L	1.00
Risk 11		Construction inflation higher than anticipated. WCC to ensure shortfall is funded.	CONSTRUCTION	WCC	CH2	H	L	L	M	3.33		Accept	Current assumed inflation at 2.5% per annum	12/06/2017	Open	H	L	L	M	3.33
Risk 12		Redesign to fit the land available to maximise the effectiveness of schemes	DESIGN	WCC	CH2	H	L	L	M	3.33		Accept	Designs to be kept within the Highway boundary Local authority control.	12/06/2017	Open	L	L	L	L	1.00
Risk 13		Extent of Archaeology	DESIGN / CONSTRUCTION	TWC	CH2	L	L	L	L	1.00		Accept	Need to include for isolated finds. Desktop studies during detailed design	12/06/2017	Open	L	L	L	L	1.00
Risk 14		Extent of Site Investigation: geotech/contaminated land	DESIGN / CONSTRUCTION	TWC	CH2	H	H	L	M	4.67		Reduce	Desktop study as part of preliminary design. Surveys to be undertaken at detailed design. Type of work planned has minimal excavation.	12/06/2017	Open	L	L	L	L	1.00
Risk 15		Stakeholder/ Protestor/Local Resident Action	STRATEGIC / POLITICAL	WCC	CH2	L	H	L	M	3.33		Reduce	Light touch consultation and feedback already taken place. Litmus test is positive.	12/06/2017	Open	L	M	L	L	1.33
Risk 16		Statutory Undertakers information missing or inaccurate	STRATEGIC / POLITICAL	WCC	CH2	H	H	M	H	8.00		Reduce	Good time given in the planning stage of the programme. Early consultation built in	12/06/2017	Open	M	M	M	M	4.00
Risk 17		Statutory Undertakers diversions C3 estimates exceed budget	STRATEGIC / POLITICAL	WCC	CH2	H	H	H	H	9.00		Reduce	Early liaison with statutory undertakers, alterations to designs to accommodate stats	12/06/2017	Open	M	M	M	M	4.00
Risk 18		Condition of existing street lighting requires works to lighting beyond current scheme extents	DESIGN	WCC	CH2	H	M	M	M	4.67		Reduce	Street light teams involved in the design stage.	12/06/2017	Closed	L	L	L	L	1.00
Risk 19		New power supplies quotations (for traffic signals and street lighting) exceeds estimate	DESIGN	WCC	CH2	H	M	M	M	4.67		Reduce	Experience signal engineers at WCC and Contractor will minimise cost over runs	12/06/2017	Open	M	L	L	L	1.33
Risk 20		Impact on existing structures	DESIGN / CONSTRUCTION	WCC	CH2	H	M	M	M	4.67		Reduce	Mainly highway surface schemes minimal impact on structures	12/06/2017	Open	M	L	L	L	1.33
Risk 21		Existing drainage network unknown, works exceed estimate	DESIGN / CONSTRUCTION	WCC	CH2	M	M	L	L	1.67		Reduce	Minimal drainage input required	12/06/2017	Open	L	L	L	L	1.00
Risk 22		Ecological issues (protected species, noxious weeds)	DESIGN / CONSTRUCTION	WCC	CH2	M	M	M	M	4.00		Reduce	Schemes within the highways in an urban boundary	12/06/2017	Open	L	L	L	L	1.00

Risk 23		Environmental issues (noise, air quality)	DESIGN / CONSTRUCTION	WCC	CH2	H	M	M	H	7.00		Reduce	Early liaison, mitigation works, e.g. noise fences	12/06/2017	Open	M	L	L	M	2.67
Risk 24		Part 1 Claims	PROCUREMENT	WCC	CH2	H	H	H	M	6.00		Accept	Accept risk	12/06/2017	Open	H	H	H	M	6.00
Risk 25		Insufficient design to guarantee scheme will be ready for delivery date	DESIGN	WCC	CH2	M	H	M	M	4.67		Reduce	Clear ideas about objectives. Additional time given in the design stage for unforeseen design challenges.	12/06/2017	Open	M	M	L	M	3.33
Risk 26		Changes to design standards	DESIGN	WCC	CH2	L	M	M	M	3.33		Accept	Accept risk	12/06/2017	Open	L	M	M	M	3.33
Risk 27		Scheme complexity causes construction delays	CONSTRUCTION	CH2M	WCC	M	M	M	M	4.00		Reduce	Complex junction designs created and approved by experienced designers/ Client.	12/06/2017	Open	L	M	M	M	3.33
Risk 28		Scheme location requires substantial streetworks input and co-ordination	CONSTRUCTION	WCC	CH2	M	H	M	M	4.67		Reduce	Scheme designed to minimise impact on existing network Street works involvement at earliest stage.	12/06/2017	Open	L	M	L	L	1.33
Risk 29		Delay due to other works in the area	CONSTRUCTION	WCC	CH2	M	M	M	M	4.00		Reduce	Early liaison with contractors and street works	12/06/2017	Open	L	L	L	L	1.00