

				Phases 1 & 2 Risk Register																																
				PRE- MITIGATION									POST MITIGATION																							
ID	Type	Risk	Cause	Consequences	QUALITATIVE ASSESSMENT				QUANTITATIVE ASSESSMENT					Mitigation Response	Mitigation Actions	Action Owner	Target Completion Date	Action Status	QUALITATIVE ASSESSMENT				QUANTITATIVE ASSESSMENT					Justification	Risk Status	Date Raised	Last Update	Escalate to Package Level Report?	Notes / Key Changes			
					Likelihood	Cost Impact	Schedule Impact	Reputational Impact	Score	Likelihood (%)	Min (k)	Most Likely (k)	Max (k)	EV Impact	EV																					
1	Regulatory / Legal	Euro Garages potentially getting planning permission to the second roundabout could cause serious impact to the Shadoworth Road scheme. EG proposing additional access onto Shadoworth Road would affect visibility splays and proposed gate system it would back up traffic onto the main roundabout.	This is because...	Brief could be subject to change following the TA review and delays in design due to TA process.	Contractual Risk Owner	Proximity	3. Possibly	3. Moderate	3. Moderate	3. Moderate	0.0%	£80,000	£140,000	£200,000	£140,000		Walter Aspinall to undertake Transport Assessment and review EG plans		Action Owner	Target Completion Date	Action Status	3. Possibly	2. Low	1. Negligible	3. Moderate	0.0%	£20,000	£50,000	£80,000	£50,000		Archived	24-Sep-19	10/10/19 - EG potential additional access has been incorporated into our design so risk can be archived.		
2	Environmental	Geotechnical Ground Investigations at Haslington Road.			5. Almost Certain	5. Severe	4. High	4. High	25	87.5%	£400,000	£600,000	£800,000	£600,000	£525,000		Geotechnical surveys to be undertaken to establish ground conditions which will inform the design		Open	2. Unlikely	3. Moderate	3. Moderate	3. Moderate	6	12.5%	£80,000	£140,000	£200,000	£140,000	£17,500		Open	24-Sep-19			
3	Environmental	Approvals to undertake intrusive geotechnical surveys are dependent upon the co-operation of land owners.			3. Possibly	3. Moderate	1. Negligible	2. Low		0.0%	£80,000	£140,000	£200,000	£140,000		Early engagement with land owners regarding access and land acquisitions undertaken by property		Open	2. Unlikely	1. Negligible	1. Negligible	2. Low		0.0%	£0	£10,000	£20,000	£10,000			Archived	24-Sep-19	10/10/19 - trial holes took place on Council owned land and within the hospital boundaries.			
4	Technical	Electricity substation located within the site area will exist. EG propose to relocate the substation to be adjacent to the back of the proposed footway.			3. Possibly	3. Moderate	5. Severe	4. High	15	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000		Gateway review following receipt of the C's to assess amounts of abnormalities and whether progression with this section of the scheme is continuing.		Open	2. Unlikely	2. Low	1. Negligible	2. Low	4	12.5%	£20,000	£50,000	£80,000	£50,000	£250		Open	10-Oct-19	10/10/19 - The design has been described.		
5	Regulatory / Legal	All property and land acquisitions			5. Almost Certain	3. Moderate	2. Low	2. Low	15	87.5%	£80,000	£140,000	£200,000	£140,000	£122,500		TJ has been communicating with the majority of property owners to ensure timely acquisitions are negotiated.		Open	4. Likely	4. High	3. Moderate	2. Low	16	62.5%	£200,000	£300,000	£400,000	£300,000	£187,500		Open	24-Sep-19	10/10/19 - There are still acquisitions to be undertaken, negotiations and discussions have been taking place for some time. The costs for these acquisitions has been estimated within this risk to ensure it is accounted for.		
6	Regulatory / Legal	Capacity of existing BwD Framework to undertake the scheme.			2. Unlikely	2. Low	2. Low	2. Low		0.0%	£20,000	£50,000	£80,000	£50,000		Work with BwD PMO and provide programme updates. Potential engagement with the framework in advance.		Open	1. Very Unlikely	1. Negligible	1. Negligible	1. Negligible		0.0%	£0	£10,000	£20,000	£10,000			Archived	24-Sep-19	Mike Cliffe held a meeting with the Framework contractors which was reported as positive.			
7	Contractual	Form of NEC Contract and risk profile of the Client to unacceptable risk levels.			1. Very Unlikely	4. High	1. Negligible	1. Negligible		0.0%	£200,000	£300,000	£400,000	£300,000		Capita to carry out an assessment of the NEC Forms of Contract and advise the Client accordingly.		Open	1. Very Unlikely	1. Negligible	1. Negligible	1. Negligible		0.0%	£0	£10,000	£20,000	£10,000			Archived	24-Sep-19				
8	Stakeholder Management / Comms	Stakeholder consultation exercise for the end of November to discuss the detailed design.			4. Likely	4. High	3. Moderate	5. Severe		0.0%	£200,000	£300,000	£400,000	£300,000		Gateway Review with Design Freeze to be scheduled pending above risks in relation to risk 1, 4, 5, 6 & 7. Mitigation of bad publicity through consultation even promoting the scheme benefits.		Open	2. Unlikely	2. Low	1. Negligible	2. Low		0.0%	£20,000	£50,000	£80,000	£50,000			Archived	24-Sep-19				
9	Technical	Cost for unknown Statutory undertakers; potential diversion works as part of the scheme i.e. United Utilities, Virgin Media, BT etc.			Existing services will need to be diverted on Haslington Road, the costs associated with this have the potential to be quite high.	4. Likely	3. Moderate	3. Moderate	3. Moderate	12	62.5%	£80,000	£140,000	£200,000	£140,000	£87,500	Review following receipt of the C's to assess final diversion costs		Open	3. Possibly	3. Moderate	2. Low	2. Low	9	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000		Open	24-Sep-19	The scheme for Haslington Road has been split up into phases in order to help reduce the cost for stat divers.		
10	Stakeholder Management / Comms	Stakeholder aspirations/scope creep - Scope changes may be requested internally or by external stakeholders			Additional design and construction costs, delays to schedule should stakeholder requirements require substantial design amendments.	4. Likely	4. High	3. Moderate	5. Severe		0.0%	£200,000	£300,000	£400,000	£300,000		Ensure communication strategy well defined and agreed with stakeholders		Open	3. Possibly	4. High	2. Low	4. High		0.0%	£200,000	£300,000	£400,000	£300,000			Archived	24-Sep-19	10/10/19 - stakeholder consultation has taken place throughout design process in order to prevent negative publicity.		
11	Stakeholder Management / Comms	The impact of consultation under the Disability Equality Scheme (DES) is unknown until consultation is underway. Risk that DES consultation may severely impact on design proposals and significant changes may be required to address their needs.			3. Possibly	3. Moderate	3. Moderate	3. Moderate		0.0%	£80,000	£140,000	£200,000	£140,000		Ensure current proposals and benefits are communicated effectively to Disability Forums		Open	2. Unlikely	2. Low	2. Low	2. Low		0.0%	£20,000	£50,000	£80,000	£50,000			Archived	24-Sep-19	10/10/19 - proposals and benefits have been communicated as necessary.			
12	Technical	Gateway approvals may take longer or be more onerous than anticipated/initial proposals are delaying detailed design process.			4. Likely	4. High	5. Severe	3. Moderate		0.0%	£200,000	£300,000	£400,000	£300,000		Ensure requirement is fully understood prior to submission and submission meets and addresses the requirement		Open	3. Possibly	3. Moderate	2. Low	2. Low		0.0%	£80,000	£140,000	£200,000	£140,000			Archived	24-Sep-19	10/10/19 - detailed design gateway approval has been obtained.			
13	Contractual	Risk that final tender price from preferred supplier exceeds project budget			Cost increase may lead to re-tender and extend schedule delays.	4. Likely	3. Moderate	5. Severe	4. High		0.0%	£80,000	£140,000	£200,000	£140,000		Ensure procurement process is robust and any assumptions/exclusions and omissions are clearly stated in the cost plan.		Open	3. Possibly	4. High	2. Low	3. Moderate		0.0%	£200,000	£300,000	£400,000	£300,000			Archived	24-Sep-19			
14	Construction	The SE extents of the project adjoins/interfaces with the Highways England network.			Highways England may take planned works that coincide with the construction works, traffic management issues on Haslington Road may impact on the Highways England network.	3. Possibly	4. High	4. High	3. Moderate		0.0%	£200,000	£300,000	£400,000	£300,000		Close liaison with Highways England to discuss potential traffic management proposals and planned works on the Highways England network.		Open	2. Unlikely	2. Low	2. Low	2. Low		0.0%	£20,000	£50,000	£80,000	£50,000			Archived	24-Sep-19			
15	Environmental	Asbestos contained within existing property on Haslington Road			Relocation of asbestos to allow safe removal of asbestos, and additional unanticipated delays.	3. Possibly	4. High	3. Moderate	2. Low		0.0%	£200,000	£300,000	£400,000	£300,000		Undertake preliminary and detailed asbestos surveys where necessary to establish whether there is asbestos present and what type it is in order to plan necessary removal procedures where appropriate.		Open	2. Unlikely	2. Low	2. Low	2. Low		0.0%	£20,000	£50,000	£80,000	£50,000			Archived	24-Sep-19	All property demolition will be within another phase of the project at some point in the future.		
16	Project Management	Potential for Haslington Road Project needing a full planning application.			Major delays and impact to the programme and budget. Potential for planning permission to be refused if planning permission is refused.	5. Almost Certain	3. Moderate	4. High	2. Low		0.0%	£80,000	£140,000	£200,000	£140,000		Engage with Local Planning Authority and Local Authority early through meetings to understand what requirements are needed for the Side Road Orders		Open	5. Almost Certain	1. Negligible	1. Negligible	1. Negligible		0.0%	£0	£10,000	£20,000	£10,000			Archived	24-Sep-19	Full planning application was submitted for HaslingDen Road 13/09/19		
17	Regulatory / Legal	Side Road Orders being objected to			Objections to the Side Road Orders may be raised.	BwD	Detailed Design	3. Possibly	3. Moderate	3. Moderate	2. Low	9	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000	Engage with Legal Department and Local Authority early through meetings to understand what requirements are needed for the Side Road Orders		Open	2. Unlikely	2. Low	3. Moderate	1. Negligible	6	12.5%	£22,500	£55,000	£82,000	£55,167	£6,646		Open	24-Sep-19	BwD Legal have started this process, at present there has been no objections
18	Project Management	LEP Business Case			Objections to the Traffic Regulation Orders to the Traffic Regulation Orders.	BwD	Business Case Development	3. Possibly	3. Moderate	5. Severe	3. Moderate	15	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000	Continuous engagement with the LEP and Jacobs providing them with insight into our programme		Open	2. Unlikely	2. Low	3. Moderate	2. Low	6	12.5%	£24,000	£50,000	£80,000	£51,333	£8,417		Open	24-Sep-19	Walter Aspinall and Mike Cliffe have been engaging frequently with the LEP.
19	Technical	Queries surrounding existing drainage system			Limited knowledge from Local Authority for the project.	BwD	Detailed Design	6. Issue	Moderate	4. High	2. Low	24	100.0%	£80,000	£140,000	£200,000	£140,000	£49,000	CCTV Drainage Survey to be undertaken. Discussions with Utilities Utilities to be held		Open	4. Likely	3. Moderate	2. Low	2. Low	12	62.5%	£35,000	£100,000	£180,000	£105,000	£8,625		Open	10-Oct-19	
20	Technical	Insufficient consultation / consultation period			Legally Legal Process	BwD	Detailed Design	3. Possibly	2. Low	4. High	2. Low	12	35.0%	£20,000	£50,000	£11,500			Continual communication with the Local Authority		Open	2. Unlikely	1. Negligible	1. Moderate	2. Low	6	12.5%	£0	£10,000	£20,000	£10,000	£1,250		Open	10-Oct-19	
21	Technical	Signage Locations clash with statutory undertakers.			Late receipt of Signage information	BwD	Detailed Design	3. Possibly	3. Moderate	4. High	2. Low	12	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000	Information regarding the signage to be issued to Capita Design Team from BwD as soon as possible.		Open	3. Possibly	2. Moderate	2. Low	2. Low	9	35.0%	£80,000	£140,000	£200,000	£140,000	£49,000		Open	10-Oct-19	