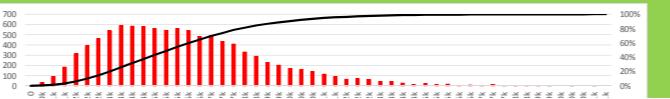


Project Name		Frome Catchment Innovation Programme	50%ile	£244,992			Step1 Hold Risk workshop		Environment Agency		Value of NFM (without risk)	£585,500				
Project Stage		OBC	95%ile	£530,817			Step 2 Collate Risks and value estimates				Value of SuDS (without risk)	£816,000				
Date of Sim.		16/03/2022 14:39	MEV	£237,204			Step 3 Assign chance of occurring				Value of River Restation at Frome GWI	£2,000,000				
				<th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">Step 4 Run Simulation</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th>Value of IPF (without risk)</th> <td>£100,000</td> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			Step 4 Run Simulation				Value of IPF (without risk)	£100,000				
				<th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">*Note 1 Time is not a simulation parameter and should be translated into a cost</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th>Value of Policy Challenge (without risk)</th> <td>£50,000</td> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			*Note 1 Time is not a simulation parameter and should be translated into a cost				Value of Policy Challenge (without risk)	£50,000				
				<th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">*Note 2 The simulation assumes zero correlation of risks. Where correlation exists values should be collated and entered into a single row</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th>Value of Culvert Monitoring (without risk)</th> <td>£252,000</td> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			*Note 2 The simulation assumes zero correlation of risks. Where correlation exists values should be collated and entered into a single row				Value of Culvert Monitoring (without risk)	£252,000				
				<th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent">Monitoring and evaluation (without risk)</th> <th data-kind="ghost"></th> <th data-cs="2" data-kind="parent"></th> <th data-kind="ghost"></th> <th>Monitoring and evaluation (without risk)</th> <td>£150,000</td> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th> <th data-kind="ghost"></th>			Monitoring and evaluation (without risk)				Monitoring and evaluation (without risk)	£150,000				
Risk No	Risk Status	Risk Description Cause - Risk - Impact		Risk Owner	Chance of occurring (with mitigation in place)	Minimum cost £	Most likely cost £	Maximum Cost £	Mitigation	Mitigation Owner	Assumptions	Workstream/activity	Aspect	MEV	Share of 50th percentile	Share of 95th percentile
1	Live	Global risks such as pandemic, war, recession and geo-political are excluded.			0%	£0	£0	£100,000	Occurrence beyond control of programme team Minimise expose where possible within contracts	BCC	Global risks such as pandemic, war, recession and geo-political are excluded An occurrence of these risks would result in the project being cancelled, additional funding or a reduction in scope.	Programme wide (inc. OBC)	Strategic	£0	£0	£0
2	Live	If there is a change of key individuals (sponsor or senior user) or member(s) of staff within Partner organisation(s) leading to reconsiderations, changing opinions and loss of momentum. Then risk of delay and cost increase leading to variations, due to: a) Changes in scope. b) Differing viewpoints from staff c) Loss of information due to the possibility of lack of adequate documentation with previous staff. Subsequently a demotivated project team and disappointed project sponsor.		BCC	20%	£0	£25,000	£100,000	Preparation of a robust business case (principally management case) Secure signoff of business case from the Partners Setting up a change management process that handles change requests, impact assessment, and recommendation or approval Secure commitment from all key individuals to minimise changes to the team Identify all the key individuals and create a organisation structure Secure commitment from all key individuals to regular communication with project sponsor to anticipate any changes in organisation structure If there are any team changes, ensure there is a handover and commitment to the project thus far Maintain written records of key discussions and agreed points	BCC		Programme wide (inc. OBC)	Governance	£6,667	£6,886	£14,919
3	Live	If incomplete/ambiguous/inconsistent OBC, could lead to differing opinions between the Partner organisations or gaps in project remit Then additional cost and time to A) agree scope between partners B) Revise definition of proposals C) Secure assurance of revised OBC		BCC	5%	£0	£10,000	£50,000	Secure signoff of business case from directors' board and seek early assurance from national team (draft stage) Robust Collaboration Agreement in place between partners	BCC		Programme wide (inc. OBC)	Governance	£750	£775	£1,678
4	Live	If there is a lack of engagement & support from Local Elected Council Members AND/OR new local administration changes (e.g., post Council elections). Then the risk of delay and cost increase leading to variations, due to a) Changes in scope b) Requirement for additional evidence c) Reduction in Benefits		BCC as lead partner	20%	£0	£10,000	£100,000	Engagement strategy Early and proactive engagement in discussions and integrating councillor and community engagement	BCC		Programme wide (inc. OBC)	Stakeholder	£4,667	£4,820	£10,443
5	Live	Community doesn't engage early with project or don't support project. Then risk of delay and cost increase leading to variations, due to a) Late changes to project scope b) Cancelled projects c) Reduction in benefits		BCC as lead partner	20%	£0	£25,000	£100,000	Engagement strategy Early and proactive engagement in discussions Empower communities to influence scope/design Incorporate small changes in the scope (where able and applicable) to provide betterment to the communities Ensuring full publicity in accessible and visible forms Provision of support for meeting attendance Ensure the right format of event/programme.	BCC		Programme wide (inc. OBC)	Stakeholder	£6,667	£6,886	£14,919
6	Live	If a significant flood event occurs there could be an expectation by the public this investment would protect against the last flood. Then the risk of delay and cost increase leading to variations, due to a) Additional hydraulic modelling & analysis b) Changes in scope/project area of focus c) Changes in project scale d) Reduction in benefits		BCC as lead partner	2%	£10,000	£50,000	£200,000	Good public engagement about the scope of the project early on Avoid overselling the project's flood reduction and ensuring people understand its limitations (improving resilience not flood prevention)	BCC	Significant flood event only has a 2% AEP probability of happening Cost increase would be capped as Frome Strategy also being undertaken and would be a likely approach to deliver a bigger scheme if required	Programme wide (inc. OBC)	Weather	£1,367	£1,412	£3,058
7	Live	If there is a disagreement between partners or a partner withdraws support. Then the risk of delay and cost increase leading to variations, due to a) Changes in scope b) Loss of partner sponsoring strategy drivers c) Additional time resolving disputes d) Reputational damage e) Loss of future collaboration opportunities f) Reduction in benefits g) Change in delivery		BCC as lead partner	5%	£0	£10,000	£100,000	Regular partner meetings Robust Collaboration Agreement	BCC		Programme wide (inc. OBC)	Governance	£1,167	£1,205	£2,611
8	Live	If there is failure to secure agreements to maintain new assets. Then the risk of delay and cost increase leading to variations, due to a) Late changes in scope/design b) Additional negotiation time c) Additional time resolving disputes d) Redesign to reduce maintenance e) Additional cost to secure agreements		BCC as lead partner	10%	£0	£100,000	£500,000	Minimising the need for future maintenance Early engagement with stakeholders about maintenance Open and frank discussions about who will maintain what Be prepared to drop "good options" than no one will maintain Use of capital funding to include measures to enable others to maintain	BCC	Assets won't be built if there is no agreement to maintain or the cost to maintain is likely to be significant	Programme wide (inc. OBC)	Stakeholder	£15,000	£15,492	£33,567
9	Live	If there are environmental issue(s) at NFM site(s) - e.g., protected species, invasive species, heritage or archaeology issues. Then the risk of delay and cost increase leading to variations, due to a) Late modification of NFM proposals to avoid impact and mitigate b) Designing mitigations c) Implementing mitigations.		BCC as lead partner	10%	£0	£10,000	£25,000	Engage appropriate specialists to advise on environmental constraints Undertake appropriate desk and site surveys Early engagement with statutory stakeholders Apply best practice and seek to minimise environmental risks by altering designs to avoid potential receptors/habitats/etc Environmental reports already completed Tailor designs to avoid env constraints	BCC		NFM	Environment	£1,083	£1,119	£2,424
10	Live	If there are geotechnical issue(s) at NFM site(s) - e.g., contaminated land, wet ground, weak ground, buried services. Then the risk of delay and cost increase leading to variations, due to a) Late modification of NFM proposals to avoid impact and mitigate b) Designing mitigations c) Implementing mitigations.		BCC as lead partner	20%	£0	£10,000	£25,000	Seek advice from appropriate specialists and complete appropriate studies Undertake pre design utility searches Plan works for suitable season Avoid working areas with geotechnical risks or potential utilities Develop flexible designs that are tolerant of poor ground conditions	BCC		NFM	Ground	£2,167	£2,238	£4,849
11	Live	If there are land access issue(s) at NFM site(s) - e.g., a) An underestimation of landowner compensation requirement for NFM b) Clash with the Environment Land Management Scheme c) Clash with existing land management agreements.		BCC as lead partner	20%	£0	£10,000	£15,000	Good quality engagement - apply engagement strategy Build on FWAG's involvement Involve landowner in design and site selection process - respect their interests at heart Access land during appropriate season	BCC		NFM	Land	£1,833	£1,894	£4,103
12	Live	If the tender outturn cost for delivery of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Securing a redesign to reduce costs b) Reduction in benefits or quality		BCC as lead partner	20%	£0	£30,000	£100,000	Engage potential suppliers during the preparation of business case to support the early development of options Clearly defined scope Effective challenging of scope and costing Incentivise delivery team to deliver the workstream within the allocated budget Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		NFM	Supplier	£7,333	£7,574	£16,411
13	Live	If materials are not available. Then the risk of delay and cost increase leading to variations, due to a) Redesign to avoid materials b) Using alternative more expensive materials c) Reduced quality or design life d) Increase in importing costs		BCC as lead partner	5%	£0	£10,000	£30,000	Maximise use of locally site won materials Avoid designs that require tightly specified materials - flexible design Use of experienced contractor	BCC		NFM	Materials	£583	£602	£1,305
14	Live	If the tender outturn cost for design of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Reduction in scope to reduce costs b) Reduction in benefits or quality		BCC as lead partner	20%	£0	£10,000	£30,000	Engage potential suppliers during the preparation of business case to support the early development of options and secure buy-in from suppliers that costs are achievable Clearly defined scope Effective challenging of scope and costing Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		NFM	Supplier	£2,333	£2,410	£5,222
15	Live	If unfavourable weather during surveys or construction of NFM. Then the risk of delay and cost increase leading to variations, due to a) Additional costs for contractor to undertake the works b) Failure of survey to identify all constraints c) Potential for reduced quality or delivery on site d) Damage to land leading to claims.		BCC as lead partner	20%	£10,000	£30,000	£50,000	Programme works for an appropriate season Include float so that works can be delayed if weather is unfavourable Within contracts, enforceable definition of what constitutes a valid weather claim Minimise earthworks, vehicle movements within fields etc Use appropriate plant, materials and methods of working that are resilient to foreseeable conditions on site Use an experienced contractor or the farmer to undertake works	BCC	Works would be delivered gradually on site. Hence if we have problems with a contractor damaging land to deliver works we would be able to identify and resolve the issue before more claims arrive. A wet summer could result in lost delivery, we would need to pay for the contractor's waiting time	NFM	Weather	£6,000	£6,197	£13,427
16	Live	If not all required consent(s) are secured at NFM site(s) - e.g., a) Not scoped b) Non-compliant c) Poor stakeholder engagement d) An objection.		BCC as lead partner	10%	£0	£15,000	£50,000	Engage appropriate specialists to advise on consents Early engagement with statutory stakeholders and pre-ap advice. Apply best practice and seek to minimise the need for consents, e.g. avoid need for planning by avoiding creation of ponds where no pond already exists	BCC		NFM	Consents	£1,833	£1,894	£4,103
17	Live	If there are environmental issue(s) at SuDS site(s) - e.g., protected species, invasive species, heritage or archaeology issues. Then the risk of delay and cost increase leading to variations, due to a) Late modification of SuDS proposals to avoid impact and mitigate b) Designing mitigations c) Implementing mitigations.		BCC as lead partner	10%	£0	£10,000	£50,000	Engage appropriate specialists to advise on environmental constraints Undertake appropriate desk and site surveys Early engagement with statutory stakeholders Avoid sites with known environment issues Apply best practice and seek to minimise environmental risks by altering designs to avoid potential receptors/habitats/etc	BCC		SuDS	Environment	£1,500	£1,549	£3,357
18	Live	If there are geotechnical issue(s) at SuDS site(s) - e.g., contaminated land, wet ground, weak ground, buried services. Then the risk of delay and cost increase leading to variations, due to a) Late modification of SuDS proposals to avoid impact and mitigate b) Designing mitigations c) Implementing mitigations.		BCC as lead partner	30%	£0	£100,000	£250,000	Seek advice from appropriate specialists and complete appropriate studies Undertake pre design utility searches Plan works for suitable season Avoid working areas with geotechnical risks or potential utilities Develop flexible designs that are tolerant of poor ground conditions	BCC		SuDS	Ground	£32,500	£33,567	£72,729

19	Live	If there are land access issue(s) at SuDS site(s) – e.g., a) An underestimation of landowner compensation requirement for SuDS. Then the risk of delay and cost increase leading to variations, due to a) Securing a redesign to satisfy landowners b) Avoiding land access.	BCC as lead partner	20%	£0	£10,000	£50,000	Identify landowners and tenants Seek to select sites with compliant landowners e.g. council held land Good quality engagement - apply engagement strategy Involve landowner in design process - respect their interests at heart Access land at appropriate time to minimise impact on landowner	BCC		SuDS	Land	£3,000	£3,098	£6,713
20	Live	If the tender outturn cost for delivery of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Redesign to reduce costs b) Reduction in benefits or quality	BCC as lead partner	20%	£0	£50,000	£100,000	Engage potential suppliers during the preparation of business case to support the early development of options Clearly defined scope Effective challenging of scope and costing Incentivise delivery team to deliver the workstream within the allocated budget Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		SuDS	Supplier	£10,000	£10,328	£22,378
21	Live	If materials are not available. Then the risk of delay and cost increase leading to variations, due to a) Redesign to avoid materials b) Using alternative more expensive materials c) Reduced quality or design life d) Increase in importing costs	BCC as lead partner	20%	£0	£20,000	£50,000	Minimise the use of materials manufactured outside UK Minimise the use of materials that need to be imported to site Maximise use of locally available materials Avoid designs that require tightly specified materials - flexible design Keep designs simple Use of experienced contractor	BCC		SuDS	Materials	£4,333	£4,476	£9,697
22	Live	If the tender outturn cost for design of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Reduction in scope to reduce costs b) Reduction in benefits or quality	BCC as lead partner	20%	£0	£20,000	£50,000	Engage potential suppliers during the preparation of business case to support the early development of options and secure buy-in from suppliers that costs are achievable Clearly defined scope Effective challenging of scope and costing Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		SuDS	Supplier	£4,333	£4,476	£9,697
23	Live	If unfavourable weather during surveys or construction of SuDS. Then the risk of delay and cost increase leading to variations, due to a) Additional costs for contractor to undertake the works b) Failure of survey to identify all constraints c) Potential for reduced quality or delivery on site	BCC as lead partner	10%	£0	£20,000	£50,000	Within contracts, enforceable definition of what constitutes a valid weather claim Minimise earthworks Use an experienced contractor Use appropriate plant, materials and methods of working that are resilient to foreseeable conditions on site	BCC	Works would be delivered gradually on site. Hence if we have problems with a contractor damaging land to deliver works we would be able to identify and resolve the issue before more claims arrive. A wet summer could result a lost delivery, we would need to pay for the contractor's waiting time	SuDS	Weather	£2,167	£2,238	£4,849
24	Live	If not all required consent(s) are secured at SuDS site(s) – e.g., a) Not scoped b) Non-compliant c) Poor stakeholder engagement d) An objection. Then the risk of delay and cost increase leading to variations, due to a) A rework of design b) Change in construction c) Removal of installed works at site d) Reputational damage.	BCC as lead partner	10%	£0	£30,000	£100,000	Engage appropriate specialists to advise on consents Early engagement with statutory stakeholders and pre-ap advice. Apply best practice and seek to minimise the need for consents.	BCC		SuDS	Consents	£3,667	£3,787	£8,205
25	Live	If the Yate Master Plan progresses at a slower or faster speed than anticipated or is dropped Then the business need is changed. A) Potential need to change speed of delivery B) Potential reduced benefits C) Redesign.	BCC as lead partner	20%	£0	£10,000	£50,000	Develop interface management plan Good dialogue between projects Consistent director level governance Secure agreement from directors' board early Minimise reliance on Yate Master Plan, be able to achieve without significant change or failing to deliver benefits	BCC		SuDS	Interface	£3,000	£3,098	£6,713
26	Past														
27	Live	If there are environmental issue(s) at the site - e.g. protected species, invasive species, heritage or archaeology issues. Then the risk of delay and cost increase leading to variations, due to a) Late modification of proposals to avoid/mitigate b) Designing mitigations c) Implementing mitigations.	BCC as lead partner	20%	£0	£25,000	£100,000	Engage appropriate specialists to advise on environmental constraints Undertake appropriate desk and site surveys Early engagement with statutory stakeholders Apply best practice and seek to minimise environmental risks by altering designs to avoid potential receptors/habitats/etc	BCC		Frome Gateway	Environment	£6,667	£6,886	£14,919
28	Live	If there are geotechnical issue(s) at site - e.g., more contaminated land than expected, wet ground, weak ground, unidentified buried services. Then the risk of delay and cost increase leading to variations, due to a) Late modification of proposals to avoid impact and mitigate b) Designing mitigations c) Implementing mitigations.	BCC as lead partner	30%	£0	£100,000	£250,000	Seek advice from appropriate specialists and complete appropriate studies Undertake pre design utility searches Plan works for suitable season Avoid working areas with geotechnical risks or potential utilities Develop flexible designs that are tolerant of poor ground conditions	BCC		Frome Gateway	Ground	£32,500	£33,567	£72,729
29	Live	If there are land access issue(s) at site – e.g., a) An underestimation of landowner compensation requirement. Then the risk of delay and cost increase leading to variations, due to a) Securing a redesign to satisfy landowners b) Avoiding land access.	BCC as lead partner	5%	£0	£10,000	£25,000	Aim to implement works from council controlled land (park side) Design concept based around minimal changes to the park, primary changes in channel. Good quality engagement with relevant council team Undertake works during appropriate season that respects existing site users	BCC		Frome Gateway	Land	£542	£559	£1,212
30	Live	If the tender outturn cost for delivery of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Redesign to reduce costs b) Reduction in benefits or quality	BCC as lead partner	20%	£0	£100,000	£250,000	Engage potential suppliers during the preparation of business case to support the early development of options Clearly defined scope Effective challenging of scope and costing Incentivise delivery team to deliver the workstream within the allocated budget Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		Frome Gateway	Supplier	£21,667	£22,378	£48,486
31	Live	If materials are not available. Then the risk of delay and cost increase leading to variations, due to a) Redesign to avoid materials b) Using alternative more expensive materials c) Reduced quality or design life d) Increase in importing costs	BCC as lead partner	20%	£0	£20,000	£50,000	Minimise the use of materials manufactured outside UK Minimise the use of materials that need to be imported to site Maximise use of locally available materials Avoid designs that require tightly specified materials - flexible design Keep designs simple Use of experienced contractor	BCC		Frome Gateway	Materials	£4,333	£4,476	£9,697
32	Live	If the tender outturn cost for design of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Reduction in scope to reduce costs b) Reduction in benefits or quality	BCC as lead partner	20%	£0	£20,000	£50,000	Engage potential suppliers during the preparation of business case to support the early development of options and secure buy-in from suppliers that costs are achievable Clearly defined scope Effective challenging of scope and costing Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		Frome Gateway	Supplier	£4,333	£4,476	£9,697
33	Live	If unfavourable weather during surveys or construction of works Then the risk of delay and cost increase leading to variations, due to a) Additional costs for contractor to undertake the works b) Failure of survey to identify all constraints c) Potential for reduced quality or delivery on site	BCC as lead partner	10%	£0	£20,000	£100,000	Within contracts, enforceable definition of what constitutes a valid weather claim Minimise earthworks Use an experienced contractor Use appropriate plant, materials and methods of working that are resilient to	BCC		Frome Gateway	Weather	£3,000	£3,098	£6,713
34	Live	If not all required consent(s) are secured for works – e.g., a) Not scoped b) Non-compliant c) Poor stakeholder engagement d) An objection. Then the risk of delay and cost increase leading to variations, due to a) A rework of design b) Change in construction c) Removal of installed works at site d) Reputational damage.	BCC as lead partner	10%	£0	£100,000	£250,000	Engage appropriate specialists to advise on consents Draw clear boundaries with the redevelopment project, this investment would not seek to solve all their flood problems. Develop a design that has no land raising, only create floodplain volume Early engagement with statutory stakeholders and pre-ap advice Apply best practice	BCC		Frome Gateway	Consents	£10,833	£11,189	£24,243
35	Live	If Frome Gateway progresses at a slower or faster speed than anticipated or is dropped Then the business need is changed. A) Potential need to change speed of delivery. B) Potential reduced benefits. C) Potential for more complex interfacing with Frome Gateway on site.	BCC as lead partner	20%	£0	£20,000	£50,000	Develop interface management plan Utilisation of consistent strategic partner consultant support on both projects Good dialogue between projects Consistent director level governance Secure agreement from directors' board early Minimise reliance on Frome Gateway, be able to achieve without significant change or failing to deliver benefits	BCC		Frome Gateway	Interface	£4,333	£4,476	£9,697
36	Live	If developers don't want to engage with the proposals, not prepared to fund (or provide insufficient funds), or support delivery by undertaking elements of works Then additional input required to try to A) secure alternate/top-up funding B) Reduced benefit. C) Redesign to make attractive to developers	BCC as lead partner	0%	£0	£0	£0	Consistent face for engagement with businesses Be mindful of the need to see the project from the developer's perspective. Give them a reason to want to invest Sustain good project momentum Minimise reliance on developers for funding	BCC	Project is not reliant on developers for funding	Frome Gateway	Stakeholder	£0	£0	£0
37	Past														
38	Live	If there are environmental issue(s) at the site - e.g. protected species, invasive species, heritage or archaeology issues. Then the risk of delay and cost increase leading to variations, due to a) Late modification of proposals to avoid/mitigate b) Designing mitigations c) Implementing mitigations.	BCC as lead partner	10%	£0	£2,500	£5,000	Engage appropriate specialists to advise on environmental constraints Undertake appropriate desk and site surveys Plan works for suitable season Early engagement with statutory stakeholders Apply best practice and seek to minimise environmental risks by altering designs to avoid potential receptors/habitats/etc	BCC		Culvert monitoring	Environment	£250	£258	£559
39	Live	If the culvert is in worse condition than expected, unidentified contaminants Then the risk of delay and cost increase leading to variations, due to a) Late modification of proposals/methods to avoid impact and mitigate b) Designing/method mitigations c) Implementing mitigations d) reduced monitoring	BCC as lead partner	5%	£0	£1,000	£2,500	Seek advice from appropriate specialists and complete appropriate studies Undertake pre design utility searches Avoid working areas with geotechnical/structural risks or potential utilities Develop flexible designs that are tolerant of poor ground/structural conditions	BCC		Culvert monitoring	Ground	£54	£56	£121
40	Live	If there are land access issue(s) at site – e.g., a) a landowner does not permit access or installation of equipment. Then the risk of delay and cost increase leading to variations, due to a) Redesign or change in method to satisfy landowners b) Avoiding land access.	BCC as lead partner	5%	£0	£1,000	£2,500	Aim to implement works from council controlled land Good quality engagement with relevant council team Undertake works during appropriate season that respects existing site users	BCC	All equipment will be installed on BCC controlled land (or a known compliant body)	Culvert monitoring	Land	£54	£56	£121
41	Live	If the tender outturn cost for delivery of the works on site exceed the cost estimate at outline business case. Then the risk of delay and cost increase leading to variations, due to a) Redesign to reduce costs b) Reduction in benefits or quality	BCC as lead partner	20%	£0	£20,000	£50,000	Engage potential suppliers during the preparation of business case to support the development of options Clearly defined scope Effective challenging of scope and costing Incentivise delivery team to deliver the workstream within the allocated budget Pre OBC buy in from directors' board that costs align with scope and that the scope is fixed to avoid scope creep prior to tendering of contract	BCC		Culvert monitoring	Supplier	£4,333	£4,476	£9,697



Top 5 Risks (MEV)		
Rank	Risk ID	Risk Description
	E20	
	E41	
	E61	
	E82	
	E102	
	E122	
	E143	
	E184	
	E204	
	E225	
	E245	
	E266	
	E287	
	E347	
	E367	
	E388	
	E408	
	E429	
	E449	
	E470	
	E490	
	E510	
	E531	
	E551	
	E572	
	E592	
	E612	
	E632	
	E653	
	E674	
	E694	
	E715	
	E735	
	E756	
	E776	
	E796	
	E817	
	E837	
	E857	
	E878	
	E898	
	E919	
	E939	
	E960	
	E980	
	E1,000	
	E1,021	
	E1,041	