

**Appendix C – Battery Way Extension : Risk Management Assessment**

No	Item of Risk	Potential Impact	Inherent Risk		Control Measures	Control Measure Managed by	Residual Risk	
			Impact	Likelihood			Impact	Likelihood
1	Resourcing capacity and ability to programme in necessary stats diversions by the statutory undertakers' equipment companies in line with the scheme's programme.	Delay to works commencing, extended programme on site waiting for Statutory Undertakers.	Medium	Low	On-going stakeholder consultation and dialogue. Detailed C4 statutory undertaker estimates to be raised at the earliest opportunity. Coordination meetings being held to agree designs and programming of works.	Project Manager & Design Team	Low	Low
2	Uncharted Statutory Undertakers equipment discovered on site.	Cost and time overruns.	Medium	High	Undertake GPR surveys of the site. Close liaison with the Statutory Undertakers to ensure accurate information is available to the Contractor	Project Manager	Medium	Medium
3	Increase in construction cost estimate at tender stage.	Budget for works exceeded.	Medium	Medium	Review bill of quantities estimate prior to tender and write value engineering/scope reduction measures into the Contract. All bill of quantities to be robustly checked	Project Manager, Resident Engineer, Quantity Surveyor	Medium	Low
4	Difficulty in securing agreement with the developer	Delay to construction commencement	High	Medium	Regular meetings to be held with, PM Developer and Legal to identify issues early and resolve them. Developer and Legal to proof read drafts before submitting for approval	Project Manager / Legal	Medium	Medium
5	Delay in Securing CPO	Delay to construction commencement	High	High	Negotiations with land owners to commence at a very early stage. Legal to prepare all necessary CPO documents so if one is required it can begin immediately.	Project Manager / Legal	High	Medium
6	Failure to meet grant terms and conditions	Funding return requested	High	Medium	Regular update reports to be submitted to the LEP and Project Boards held to identify potential risks. Early warnings to be submitted to the LEP if any conditions cannot be met and mitigation measures to be put in place.	Project Manager	High	Low
7	Planning conditions not met	Planning consent for Road is withdrawn	High	Medium	Meetings with Planning to take place to identify items that may need altering via planning. Design to incorporate all planning conditions	Project Manager	Medium	Low
8	Disruption to businesses during the construction stage. (Business whose land/property is not directly affected by the works).	Loss of trade	High	Medium	There will be ongoing dialogue with the businesses throughout the works and access will be maintained to the businesses. Under current legislation there is no provision for compensation for loss of trade as a result of works carried out by highway authorities.	Project Manager / Site supervisors/Contractor	Low	Low
9	Disruption to road users during the construction stage.	Delays to transport on the highway	High	High	Careful planning, phasing and consideration to be made of the construction programme to ensure disruption is kept to a minimum. Discussions to be had with Traffic Management Services and pro-active monitoring during the works is to be carried out.	Resident Engineer, Traffic Management Services, Contractor	Medium	Low
10	Objections to the scheme being received as a result of the advertisement of the Traffic Regulation Orders.	Potential delay, omission or amendment of scheme proposals.	Medium	Medium	On-going dialogue with Ward Councillors, key stakeholders and members of the public.	Project Manager	Low	Low
11	Compensation claims as a result of CPO process (land and property directly affected by the works).	Increase in scheme cost due to claims	Medium	Medium	Payments to third parties will be made in accordance with land valuation guidelines, this includes for any loss of trade for those where land or property is required for the scheme.	Project Manager/Birmingham Property Services	Medium	Low
12	Cost /time overruns	Cost exceed budget	Medium	Low	Detailed estimates have been used to build up scheme costs including a 10% contingency. Target date for spending LGF funds is March 2018 and the LEP will be provided monthly monitor reports where any likely variance will be raised so giving warning of any slippage to the LEP at an early stage	Project Manager / Site supervisors/Contractor	Medium	Low
13	Procurement through Lot 4 availability of competent Contractor	No competent Contractors available	High	Medium	Look at alternative procurement strategy to tender/allocate projects over £0.5m. Consideration of reserve contractors on Lot 4.	Project Manager	Medium	Low