

Risk Ref.	Nature of Risk	Category	Implications	Mitigation	Action to be Taken	Owner	Consequence
ALL-01	Scheme does not integrate with wider policy e.g. SEP	Strategic	Reputational damage and potential future loss of funding for other schemes. Schemes do not get internal approval	The schemes have been identified within the SEP and assessed against SEP objectives	Continual review of current designs to ensure it meets the Business Case Objectives	RBWM	Minor
ALL-02	Change in RBWM political leadership results in withdrawal of support for scheme	Strategic	Reputational damage and potential future loss of funding for other schemes	Regular briefings for lead members and via Cabinet Reperation Sub-Committee. Next local election will take place in 2020, which will be post completion, but once works have commenced.	Member briefings to be arranged as part of project delivery plan. Regular updates to be provided.	RBWM	Major
ALL-03	Local authority contribution is not forthcoming due to pressures on other budgets.	Strategic	Schemes cannot be delivered leading to review of options and interventions	LA contribution defined in Business Case. Members are aware that the LEP has provisionally approved the scheme which, subject to statutory consents being obtained and design / procurement, will be affordable and delivered within the approved funding envelope.	None at present.	RBWM	Major
ALL-04	Maidenhead Developments not implemented as planned	Strategic	Change to forecast numbers	Engage with Planning and Housing to ensure any changes or delays to delivery are identified.	Review of business case and projected traffic flows.	RBWM	Moderate
ALL-05	Stakeholders could object to the proposed schemes.	Design	Delay in programme of schemes due to approval process delays.	Early engagement with the stakeholders to ensure all are aware of the proposals	Hold public consultation at an early stage.	Project Manager	Major
ALL-06	Unsafe Design	Design	Redesign lengthening the programme of delivery	Road Safety Audit to be undertaken at an early stage on all the proposals.	Commision RSA1/2 on all proposals once they are confirmed.	Project Manager	Minor
ALL-07	Tender prices received from the contractors exceed budget estimates	Financial	Requirement to find additional funding to cover cost overruns.	The current cost estimates are based on an outline Bill of Quantities with appropriate allowances for optimism bias and risk	Review BoQ throughout design development process. Refine based on emerging detailed designs. Apply value engineering to designs if costs exceed budget.	Project Manager	Moderate
ALL-08	Delays in construction programme resulting in increased contract administration costs	Financial	Client has to find additional funding to cover additional adminsitration costs	Ensuring design, investigations,programme and procurement are robust, reducing likelihood of construction delays.	Review scheme costs regularly	Project Manager	Moderate
ALL-09	Delays in construction period will in turn deem the cost estimates outdated due to inflation	Financial	Client has to find additional funding to cover inflation.	Ensure review of cost estimates are undertaken with updated rates on the Bill of Quantities where appropriate.	Review scheme costs regularly	Project Manager	Minor
ALL-10	Scheme procurement method is unknown.	Financial	Delay in programme of delivery until procurement method is agreed.	Client made aware of risk at early stage.	Review procurement methods	Project Manager	Moderate
ALL-11	Traffic network impacted during the construction of these schemes	Construction	Reputational damage to RBWM - general public complaints	Construction on a single scheme at any given time - concurrent scheme construction works to be sought if impact on network not significant.	Review traffic management required for construction at an early stage.	Project Manager	Minor
ALL-12	Unforeseen soft spots / contaminated land in areas where excavations are proposed	Construction	Health and Safety - prosecution.	Bore Hole and contaminated land survey to be undertaken where deemed necessary.	Review locations where there could be a possibility of contaminated land.	Project Manager	Moderate
ALL-13	Unidentified utilities found during excavation.	Construction	Delay in programme of delivery.	Provide instruction to Contractor to undertake Utility Detecting Survey (GPR) and mark out where utilities lie on the road surface with appropriate colours as per the guidance on NJUG (National Joint Utilities Group).	Ensure this is portrayed in the Works Information.	Project Manager	Moderate
The Bingham's Roundabout							
BR-01	Risk that the proposed signals impact the wider network.	Strategic	Increased journey times for the general public	Traffic modelling to be undertaken on junction, inclusive of future growth.	Junction 9 modelling sought.	Project Manager	Moderate
BR-02	Scheme proposals incorporate loss of vegetation posing an environmental issue.	Design	Delay in programme of delivery and increased cost due to design changes	Early involvement of environmental team to ensure they are aware of the risk - seek guidance. Scope of scheme to be reduced to remove this issue - removal of Segregated Left Turn Lane (SLTL) from scheme.	Outline area of vegetation loss to see whether compensation can be provided.	Project Manager / RBWM	Major
BR-03	Scheme is based on OS data available posing issues with inaccuracy.	Design	Potential changes to structure over The Cut and potential need for retaining structure for western side of roundabout - increased costs.	Topographical survey required to remove / confirm this risk altogether.	Request survey funding.	Project Manager	Moderate
BR-04	Scheme extents are outside the Highway Boundary / land ownership under RBWM.	Design	Redesign of works required to remove this risk. Potential CPO required.	Topographical survey required to remove / confirm this risk altogether.	Request survey funding.	Project Manager / RBWM	Moderate
BR-05	Ownership of A308(M) may lie outside RBWM jurisdictions.	Design	Require approval / land purchase via appropriate highway authority.	Changes on this section of road can be minimised.	Request land ownership details for the surrounding area.	RBWM	Moderate
BR-06	Unsure of which deisgn is progressed at this stage with 2 options proposed.	Design	Delay in programme of delivery until design option is chosen.	Early involvement with Client with proposed options and economic/strategic benefits each option poses.	Meeting with Client to be held.	Project Manager	Minor
BR-07	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Moderate
Castle Hill Roundabout							

CH-01	Risk that the proposed signals / scheme design negatively impacts the network	Strategic	Increased journey times for the general public	Traffic modelling to be undertaken on junction, inclusive of future growth.	Junction 9 modelling sought.	Project Manager	Moderate
CH-02	Scope extents are outside the Highways Boundary / land ownership under RBWM. In order to provide a footway on A308 Marlow Road, it is anticipated land will be required from Kidwells Park.	Design	Scheme is aborted / scope of scheme changes.	Topographical survey required to remove / confirm this risk altogether. Early involvement of Parks department.	Request survey funding.	Project Manager / RBWM	Moderate
CH-03	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Major
Market Street Roundabout							
MSR-01	Scheme is based on OS data available posing issues with inaccuracy.	Design	Potential changes to subway ramp on the northern footway on Saint-Clouds Way	Topographical survey required to remove / confirm this risk altogether.	Request survey funding.	Project Manager	Moderate
MSR-02	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Moderate
Lassell Gardens							
LG-01	Risk that the proposed signals / scheme design negatively impacts the network	Strategic	Increased journey times for the general public	Traffic modelling to be undertaken on junction, inclusive of future growth.	Junction 9 modelling sought.	Project Manager	Moderate
LG-02	Scope extents are outside the Highways Boundary / land ownership under RBWM.	Design	Scheme is aborted / scope of scheme changes.	Topographical survey required to remove / confirm this risk altogether. Early engagement with land owners.	Request survey funding.	Project Manager / RBWM	Moderate
LG-03	Vehicles travelling out of Ray Drive may have an issue getting out.	Design	Public complaints	Review the design to see whether markings "KEEP CLEAR" can be implemented to avoid issue.	Obtain traffic count to see whether this is necessary.	Project Manager	Minor
LG-04	Vehicles may attempt to turn left out of Lassell Gardens creating a maintenance liability issue with the proposed traffic island.	Design	Sporadic short term maintenance costs.	Implementation of TMO to ban the left turn out of this junction.	See whether a design can be incorporated where the left turning manoeuvre can be made with slight kerb realignments. Obtain traffic count to see whether this is necessary.	Project Manager	Minor
LG-05	Potential for side swiping of vehicles intended to travel ahead from the signals on Bridge Road in an westerly direction.	Design	Increased cost to provide a longer merge on this exit	Provide a longer merge length to mitigate. Remove the straight ahead movement from one of the arms.	Undertake a traffic survey to identify the number of vehicles travelling straight ahead here to identify need for longer merge length	Project Manager	Minor
LG-06	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Major
Guards Club Road Roundabout							
GCR-01	Scope extents are outside the Highways Boundary / land ownership under RBWM. Likely to required land from Bridge Gardens. Guards Club Road may be privately owned.	Design	Scheme is aborted / scope of scheme changes.	Topographical survey required to remove / confirm this risk altogether. Early engagement with Parks Department and any relevant land owners.	Request survey funding.	Project Manager / RBWM	Major
GCR-02	Scheme is based on OS data available posing issues with inaccuracy.	Design	Potential changes to structure over River Thames.	Topographical survey required to remove / confirm this risk altogether.	Request survey funding.	Project Manager	Moderate
GCR-03	Left turn out of Ray Mead Road could potentially be seen as a Subsidiary Deflection Island as per TD51/17 - a Departure from this Standard may be required.	Design	Redesign of this arm may be required.	Redesign to remove this element.	See whether a fully compliant design is feasible within the budget available.	Project Manager	Moderate
GCR-04	Increase in paved area posing an issue with maintenance.	Design	Increased long term maintenance costs.	Ensure Client is aware and early engagement with the maintenance teams.	Engage with maintenance team to ensure they are aware of the proposals.	Project Manager / RBWM	Moderate
GCR-05	Maintenance bay in central island is proposed to be removed.	Design	Potential dispute with maintenance team	Increase central island diameter to provide a maintenance bay.	Engage with maintenance team at an early stage asking whether this maintenance bay is utilised.	Project Manager / RBWM	Moderate
GCR-06	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Major
Stafferton Way / Rushington Avenue Roundabout							
SWR-01	The circulatory carriageway width is more than 1.2x longer than the maximum entry width - Departure from Standard TD16/07	Design	Scheme will not go ahead if these departures are not signed off.	Review the design to see whether a single entry arm can be increased in entry width to 10.5m (3 lane entry) to avoid this departure.	Review of design.	Project Manager	Major
SWR-02	Statutory Undertaker apparatus present within the scheme extents.	Financial	Increased costs for stats diversions - potential delay in programme of delivery	Early engagement with Statutory Undertaker utility companies.	Request C2 for area of interest	Project Manager	Moderate