

Design Risk Register

Project: 14481 Great Chesterford

Compiled by: Rosemary Wilkins, Margarita Ivanova, Ameera Bandali

Document ref:

Date Updated: 08/12/2023

Risk categories:

AcAcceptable

MaMarginal

MoModerate

UnUnacceptable

sustrans

JOIN THE MOVEMENT

Hazard Identification					Risk Assessment			Risk Response					Risk Monitoring & Control						
ID No.	Date identified	Identified by	Project phase when hazard may occur	Description of hazard (briefly describe the nature of the hazard and the consequences should it occur)	Severity	Probability	Risk Category	Persons at Risk	Response organisation	Response action description	Response type (E-STOP hierarchy of control)	Action by (name or role)	Action required at project stage	Review date	Severity	Probability	Risk Category	Update (description of any changes since last review)	Current status
1	06/02/23	AB	Pre-construction	Working on or near live traffic Being struck by live traffic Possible life changing injuries/death	3	3	Un	Project Team	Sustrans	Use adequate signing, guarding and PPE in line with NRSWA, Chapter 8 and Sustrans H&S policy	PPE required	Project Lead	Concept Design	31/03/23	2	3	Mo	No change - continue with control methods	Open
2	06/02/23	AB	Pre-construction	Live Utilities Striking gas, electricity & water while carrying out investigation works Death, severe burns, broken bones	3	2	Mo	Project Team	Sustrans	Pre-construction site visits all staff to be aware of site environment. Stats drawings used where provided, use safe digging practices (HSG 47)	Technical controls	Project Lead	Concept Design	31/03/23	2	2	Ma	No change - continue with control methods	Open
3	06/02/23	AB	Pre-construction	Working in areas accessible to the public Possible injury to the public, or staff from work being undertaken or due to distraction. Possible life changing injuries	3	2	Mo	Public	Sustrans	Use adequate signing, guarding and PPE in line with NRSWA, Chapter 8 and Sustrans H&S policy	Operational controls	Project Lead	Concept Design	31/03/23	2	2	Ma	No change - continue with control methods	Open
4	06/02/23	AB	Pre-construction	COVID 19 Highly transmittable disease causing pandemic Flu like symptoms, hospitalisation, long term life changing prognosis, death	3	2	Mo	All	Sustrans	Staff to follow current guidance on attending site. Minimise risk by socially distancing and having a vaccine. Hands, face and Space.	Operational controls	Project Lead	Concept Design	31/03/23	2	2	Ma	No change - continue with control methods	Open
5	06/02/23	AB	Pre-construction	Lone Working. Personal Security - Physical or Verbal Assault and Personal Safety - falling down, getting lost etc Possible life changing injuries, broken bones.	2	2	Ma	Project Team	Sustrans	Arrangements for recording staff movements outside of the office e.g. diary/whiteboard/calendar; Where not working on the live carriageway staff may omit wearing of hi-visibility jacket; If area is considered high risk, staff advised to work in pairs; Staff provided with means to be able to maintain communication with office. Buddy system of checking in to ensure a) arrived at site, b) safe on site and c) returned home/office safely	Operational controls	Project lead/Staff member	Concept Design	31/03/23	2	2	Ma	No change - continue with control methods	Open
6	06/02/23	AB	Pre-construction	Slip, trip and fall on the same level Falling over or down due to uneven surface and route on embankment Broken bones, ligament/tendon damage, incapacitation	2	2	Ma	Project Team	Sustrans	Staff awareness when carrying out duties on highway and on railway line. Footwear to be appropriate for conditions. Be aware of surroundings and keep to worn track areas	Operational controls	Project lead/Staff member	Concept Design	31/03/23	2	1	Ac	No change - continue with control methods	Open
7	06/02/23	AB	Pre-construction	Working with existing Bridge Structures - Height Falling from height - railway alignment crosses bridges. Falls may result in injury or death	3	3	Un	Project Team	Sustrans	Guarding and safe working practice to be implemented, including the use of harnesses and induction to working at heights	Operational controls	Project lead/Staff member	Construction	31/03/23	3	1	Ma	No change - continue with control methods	Open
8	06/02/23	AB	Pre-construction	Working with existing Bridge Structures - Structures Integrity of existing structures could be undermined by proposed works such as input of ramps, leading to structural failure	3	1	Ma	Project Team	Sustrans	Ensure that the design of any addition of ramps to particular bridges doesn't not impact the structural integrity of the bridge.	Technical controls	Project lead/Staff member	Construction	31/03/23	3	1	Ma	No change - continue with control methods	Open
9	06/02/23	AB	Pre-construction	Working in proximity to water courses	2	1	Ac	Project Team	Sustrans	Pre-construction site visits all staff to be aware of site environment. Stats drawings used where provided, use safe digging practices (HSG 47)	Technical controls	Project lead/Staff member	Concept Design	31/03/23	2	1	Ac	No change - continue with control methods	Open
10	06/02/23	MMI	Pre-construction	Landowner restricting access	1	1	Ac	Project Team	Client	Early engagement with land owners	Operational controls	Client	Technical Design	31/03/23	1	1	Ac	Engagement with land owners on going through PM and Land Managers	Open
11	06/02/23	AB	Construction	Safe Access to site Ensure safe accesses on and off site during construction phases.	2	1	Ac	Project Team	Sustrans	Design compounds that are efficient and sustainable in what the project requires in terms of accesses and storing materials.	Technical controls	Project lead/Staff member	Developed Design	31/03/23	2	1	Ac	No change - continue with control methods	Open
12	06/02/23	MMI	Construction	Vehicle overloading to historic structures	3	1	Ma	Contractor	Contractor	Engineering approval to loads and positioning of vehicles on bridge decks. Contractor to follow specific instructions for each structure. Deck plates where needed.	Operational controls	Contractor	Construction	31/03/23	2	1	Ac	Notes added to GA drawings to highlight PRoW requirements	Open
13	06/02/23	AB	Construction	Ground Conditions and boggy ground conditionsWet	1	1	Ac	Contractor	Contractor	Pre-construction site visits with Contractor to be aware of site environment. Contractor to put in place appropriate working practices.	Operational controls	Contractor	Construction	31/03/23	1	1	Ac	No change - continue with control methods	Open
14	06/02/23	AB	Construction	Working with existing Bridge Structures - Weight The existing bridges structural integrity in terms of weight bearing, will be bridges be able to sustain the weight of vehicles that may potentially be used to carry materials up and down the track during the construction process.	3	1	Ma	All	Contractor	Ensure that the information provided by RPL is the most up to date before construction including the weight bearing loads capacity of each bridge.	Technical controls	Project lead/Staff member	Construction	31/03/23	3	1	Ma	RPL have confirmed no issues with weight limits on any of the structures	Closed