

Jacobs

DESIGN HAZARD ELIMINATION AND RISK REDUCTION REGISTER

Latest Meeting Date

Update Critical Risk Table

Phase

C Construction
M Maintain/Clean
U Use as Workplace
D Demolish
CM Construction & Maintenance

Project Name:
Project Number:
Client:

Scheme Delivery Framework
SDFNE101
National Highways

Probability

Worst Potential Severity (WPS) of Impact

Risk Rating

1: Highly Unlikely
2: Unlikely
3: Possible
4: Likely
5: Highly Likely

1: Nil or slight injury/illness, property damage or environmental issue.
2: Minor injury/illness, property damage or environmental issue.
3: Moderate injury or illness, property damage or environmental issue.
4: Major injury or illness, property damage or environmental issue.
5: Fatal or long term disabling injury or illness. Significant property damage or environmental issue.
10: Multiple fatalities and catastrophic event

NOTE: The purpose of Risk Rating is to determine which risks are significant. It is a subjective assessment and not an absolute or precise determination

L I N E A L H E A D

	1	2	3	4	5
5	5	10	15	20	25
4	4	8	12	16	20
3	3	6	9	12	15
2	2	4	6	8	10
1	1	2	3	4	5
	1	2	3	4	5

SEVERITY

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Risk ID.	Formal Review Description	Phase	Activity	Potential Hazard	Person(s) Most at Risk	Prob	WPS	Initial Risk Rating	Discipline	Design Measures to Eliminate Hazards	Design Measures to Reduce Risk	Residual Prob	Residual WPS	Residual Risk Rating	Residual Risk Description	Included on Drawing No(s) or other doc. (give ref.)	Action By (Name or Role)	Target Date	Revised Target Date	Date Action Complete	Tracker Status	Comments	Primary Legislation
1	5: Design Stage Review	C	Travelling to site	Potential risk of getting injured via own driving or other drivers on the road	Construction	2	4	8	All Disciplines	Hazard cannot be eliminated.	Hazard to be highlighted in the PCI document to allow Principal Contractor time to plan method of works.	1	4	4	Risk of collisions with other cars on the way to and from site	Scheme PCI document 617900-JAC-HGN-W245_XX-DO-CH-0002	Principal Contractor	Prior to construction	NA	When works have finished	ongoing		CDM
2	5: Design Stage Review	C	Working under Overhead Cables	Electrocution from striking overhead cables	Construction	3	5	15	All Disciplines	Hazard cannot be eliminated.	Overhead cable locations determined from C2 returns and confirmed by drive through of site and clearly demarcated on all TTM and construction drawings.	2	5	10	Electrocution from striking overhead cables	Scheme PCI document 617900-JAC-HGN-W245_XX-DO-CH-0002	Principal Contractor	Prior to construction	NA	When works have finished	ongoing		CDM
3	5: Design Stage Review	C	Breaking Ground	Risk of striking underground cables when excavating	Construction	3	5	15	All Disciplines	Hazard cannot be eliminated.	Provide C2 returns to Principal Contractor. Advise in PCI the use of cable avoidance tool and use of contractors permit to dig.	2	5	10	Risk of striking underground cables when excavating	Scheme PCI document 617900-JAC-HGN-W245_XX-DO-CH-0002	Principal Contractor	Prior to construction	NA	When works have finished	ongoing		CDM