

Designer's Risk Assessment

Designer: June Park				Job No.: 30555			Rev: -	Rev Date: -			
Project: Road Signage Renewal				Date: 19 July 2018			Principle Designer: TBC				
Ref No	Activity /Element	Potential Hazards	Population at Risk	Risk Rating			Action at Design Stage	Control Options (Contractors)	Residual Risk		
				L	S	R			L	S	R
1.0	Slips, Trips & Falls										
1.1	All activities	Existing steps, ramps and changes in level	Contractor	2	2	4	Works cannot be avoided.	Contractor to undertake necessary site inspections to become familiar with the working areas and surroundings, and induct the workers as necessary.	1	2	2
1.2	All activities	Materials, tools, equipment, etc. left on site causing trips and falls.	Contractor Road users	2	2	4	Subject to contractor's manner of undertaking works.	Specify for the contractor to provide adequate protections, and keep the working areas clear, and report any issues throughout programme.	1	1	1
2.0	Collision/Entrapment/Collapse										
2.1	Excavation	Adjacent installations such as traffic lights, belowground services, etc.	Contractor	2	2	4	Ensure the contractor undertake adequate inspections and tests.	Contractor to undertake necessary inspections and tests to ensure that stability of the existing installations are not affected by the works, and report any issues immediately. Provision of PPE.	1	2	2
3.0	Manual Handling										
3.1	Materials and equipment	Lifting materials in bulk and large/heavy equipment	Contractor	1	2	2	Ensure adequate access and lifting equipment is specified.	Provision of PPE and warning notices. Provision of Manual Handling training.	1	1	1

Key:

Probability: 1, 2, 3
 = L Likelihood (Low, Medium, High)
 = S Severity (Low, Medium, High)
 = R Risk (Likelihood x Severity)

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4.0 Fire											
4.1	Smoking and burning	Burns, ignition of flammable material	Contractor Road users	1	3	3	Disallow such activities.	Adequate safety training and risk assessments and Toolbox Talks, etc.	1	2	2
4.2	Use of generator	Electric ignition	Contractor Road users	1	3	3	Ensure generator is used and maintained to manufacturer's standards.	Adequate safety training and risk assessments and Toolbox Talks, etc.	1	2	2
5.0 Electrocutation											
5.1	Use of electrical tools	Electrocutation	Contractor	2	2	4	Works cannot be avoided.	Provision of guarded working platforms. Provision of PPEs. Adequate safety training and risk assessments and Toolbox Talks, etc.	1	1	2
6.0 Dust / Fumes											
6.1	Breaking up ground and excavation	Dust inhalation	Contractor Road users	2	2	4	Works cannot be avoided.	Provision of PPEs. Adequate safety training and risk assessments and Toolbox Talks, etc. Implement dust reducing measures.	1	1	2

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7.0	Noise / Vibration										
7.1	Use of tools	Noise and vibration	Contractor Road users	2	1	2	Works cannot be avoided.	Provision of PPEs. Adequate safety training and risk assessments and Toolbox Talks, etc. Works to be undertaken in accordance with the statutory and local authority requirements.	2	1	2
8.0	Site Location Hazards										
8.1	Excavation	Interference with existing services	Contractor	2	2	4	Ensure adequate testing, inspection and isolation of existing services prior to works.	Provision of PPEs. Adequate safety training and risk assessments and Toolbox Talks, etc. Services to be adequately isolated prior to working. Use of BS and EU standard fixtures when adapting existing system.	1	1	1
8.2	Vehicular and pedestrian traffic	Interruption by traffic	Contractor Road users	3	2	6	Ensure provision of adequate safety and security measures.	Adequate safety training and risk assessments and Toolbox Talks, etc. Provision of sufficiently fencing, barriers, notices, etc. to ensure safety and security of the working areas.	3	1	3

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9.0 Hazardous Materials											
9.1	Hazardous materials on site	Inadequate interference with hazardous materials (Asbestos, UXO)	Contractor	2	2	4	Provide sufficient information at pre-construction stage to facilitate adequate planning of works.	Site inductions to provide sufficient information. Adequate safety training and risk assessments and Toolbox Talks, etc.	1	1	1
10.0 Cuts & Abrasions											
10.1	Cutting materials on site	Cutting and abrasion	Contractor	3	2	6	Subject to contractor's manner of undertaking works.	Adequate safety training and risk assessments and Toolbox Talks, etc.	1	1	1

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