


SLDS Scheme Ref :		SLDS-9999		Stainton Lighting Design Services Limited Designers Risk Assessment								
Risk Assessment Ref :		DRA -01		Name				Status			Not Started	
No.	HAZARD	RISK	RISK LEVEL BEFORE MITIGATION			MITIGATION MEASURE TAKEN	RISK LEVEL AFTER MITIGATION			ANTICIPATED MEASURE THAT COULD BE APPLIED BY OPERATIVES		
			Likelihood	Consequence	Index		Likelihood	Consequence	Index			
H1	Working in close proximity to live traffic on carriageway and Interchanges.	Risk of site personnel being hit by a vehicle entering the works.	2	5	10	Traffic management designed in accordance with chapter 8 and appendix 1/17 of the specification. Adequate segregated safety zones provided. Temporary restraint system to protect workforce.	1	5	5	Ensure that traffic management is installed and maintained as designed. Ensure that all site personnel have sufficient health and safety training and that adequate PPE is provided and worn at all times. Lighting contractor to work within main contractors traffic management plan.		
H2	Working in close proximity to buried services and electricity	Risk of electrocution, fire, explosion and/or service loss due to contact with services.	2	5	10	All known services clearly marked on contract drawings. Close liaison with affected utilities companies to arrange protection/diversions. Required diversions to be carried out prior to highways works commencing.	1	5	5	Contractor shall anticipate presence of unknown services, areas of excavation to be checked with a CAT prior to works. Hand dig in close proximity to services. Continued close liaison with affected utility companies. Existing services to be located prior to the start of works. In the vicinity of overhead lines the contractor should follow industry and electricity company guidance to ensure personnel safety and a site specific risk assessment undertaken. No columns shall be removed / erected within the Vicinity Zone without prior issue of a relevant Permit to Work or similar approved.		
H4	Erection of new columns or removal of existing lighting columns in the vicinity of a live high speed carriageway.	Column falling onto carriageway during removal or installation.	2	5	10	Lighting contractor instructed to undertake this element of works in compliance with industry guidelines and good working practices, suitable traffic management to be applied. A site specific risk assessment to be undertaken and suitable measures put into place to ensure no vehicles are in the vicinity of the works.	1	5	5	Contractor to provide method statement for the erection of sign posts/plates/lanterns as well as ensuring suitable traffic management is in place and all lifting equipment is suitable and personnel are trained in the operation of equipment. Relevant PPE to be worn at all times.		
H6	Working above live high speed carriageway.	Objects falling onto carriageway during works.	2	5	10	Site specific risk assessment to be undertaken and suitable measures put into place to ensure objects do not fall onto the live carriageway	1	5	5	Contractor to provide method statement for the erection of lanterns as well as ensuring suitable traffic management is in place and all lifting equipment (MEPW) is suitable and personnel are trained in the operation of equipment. Relevant PPE to be worn at all times.		
H7	Lighting being non operational.	Vehicle collision with non operational lighting being a contributing factor.	2	4	8	Under no circumstances should any of the lighting be left, or be planned to be, inoperative. If there is a need for the lighting to be out temporary lighting should be erected to at least the standard of the existing.	1	4	4	Contractor to plan his works so as to ensure the lighting is operational at all times. Or provide temporary lighting to a similar standard as the existing lighting installation.		
H8	Environmental Pollution	Risk of contamination to adjacent verges, water courses and rivers.	2	3	6	Selection of materials with low environmental impact potential. Site cleanliness.	1	3	3	Implementation of EIA / Environmental Report. Secure storage and control of fuel oils and contaminants. Good housekeeping measures. Access to spill kits Disposal of site waste through registered disposal outlets with audit trail.		
H11	Uneven ground and trip hazards	Broken bones, damaged tendons, cuts and bruises.	2	3	6	Beware of uneven surfaces and potential trips. Walk and work with due regards to hazards. Use of paved areas, steps, and paths when available.	1	3	3	Wear safety lace up footwear with non slip soles.		
H12	Poor weather conditions effecting visibility or ground conditions	Broken bones, damaged tendons, cuts and bruises.	2	4	8	No working in adverse weather conditions will be allowed	1	1	1	Operatives to vacate should weather become unsuitable		
H16	Opening feeder pillar doors	Broken bones, damaged tendons, cuts and bruises. From door in poor condition or not secure on hinges. Door trapping fingers.	2	3	6	Where possible inspect hinges prior to opening door, also care taken in releasing the locking mechanism ensuring the weight of the door cannot shift unexpectedly	1	3	3	Safety footwear and gloves to be worn		
H17	Working with electricity	Death or serious injury from potential Electric Shock.	2	5	10	Electrical installation work to be carried out only by qualified electricians. Electrical testing to be undertaken by competent personnel. Full Isolation to be carried out before commencing any works. Operatives to be G39 trained	1	5	5	Extraneous parts checked for electrical fault prior to commencing work or inspections. Full Isolation is to be carried out on all circuits. Work to be undertaken using suitable insulated tools and suitable PPE to be worn.		
H18	General Public	Confrontation and potential conflict with a member of the general public.	3	3	9	Where possible avoid general public and keep any interaction and contact to a minimum.	2	3	6	Avoid confrontation with the general public and make Principal Contractor aware of the proposed times for site visit and proposed works.		
H19	Demolition and removal of equipment.	Equipment contain the following may be incorrectly disposed of: (a) Mercury and Sodium discharge lamps. (b) Capacitors manufactured prior to 1976 may contain polychlorinated biphenyls (PCBs). (c) Asbestos used in fuse carriers, lantern gasket seals and distribution fuse boards, drainage pipes and service ducts, etc.	3	3	9	The Contractor is to dispose of Lamps, Lanterns, Sign Lights, Capacitors, Ballasts and associated equipment in accordance with current Environmental Agency Regulations and in compliance with the Waste Electrical and Electronic Equipment Directive (WEEE)	1	3	3	All operatives to have received site inductions including instruction on correct disposal of equipment. Full PPE to be worn at all times.		
H23	Presence of sharps and other drug related items.	Known history of drug use in the area with specific instances of drug use and the associated paraphernalia at a number of sites.	3	5	15	Site teams made aware of the increased possibility of sharps and to be advised of appropriate procedures and all relevant contact numbers should such items be present	1	5	5	Contractor to provide method statement for dealing with the presence of sharps and ensure all site operatives are aware of the dangers and are issued with all relevant telephone numbers should this event arise. Relevant PPE to be worn at all times.		
H25	Location of large retail park in the vicinity of the site.	Unusually large volumes of traffic and pedestrian movement during certain times, in the vicinity of high level works	3	5	15	Programming of work to account for known busy shopping times and areas in the immediate vicinity of the venue to be avoided	1	1	1	Carry out work at the programmed times		
<div><div><div>Likelihood: 1 - Unlikely to occur in relevant period. 2 - Likely to occur in relevant period. 3 - Likely to occur several times in the relevant period</div><div>Consequence: 5 - Death or total systems loss 4 - Major injury or illness. Major damage or environmental impact. 3 - Lost time injury or illness. Damage or environmental impact. 2 - First aid incident. Routine maintenance repair 1 - Very minor. Little consequence.</div><div>Index: Likelihood x Consequence (See also CIRIA SP125). 10-15 Very High Risk - not acceptable. Apply mitigation. Seek director approval if significant risk remains. 6-9 High Risk - Apply mitigation. Seek director approval if risk cannot be reasonably and practically be reduced below "this" level. 1 - 5 Low Risk - May be accepted if all reasonably practicable control measures in place.</div></div></div>												
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