Nick Smith Associates

Lighting to the end of the tunnel

Ramsey Road, Warboys

Risk Assessments

Client:	Burmor Construction	Issue Date:	15/12/2023
Project Number:	3006	Revision:	-

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Risk Assessment (NSA 109)

Ramsey Road, Warboys	Project Number 3006

Prepared by:	N Smith	Date:	15/12/2023	Checked by:	N Smith	Date:	15/12/2023	Revision	-

Risk Identified	Risk addressed by code of practice or standard	Frequency of Occurrence	Severity Risk	Risk Rating	Notes / Actions Required
Wildlife	Partial	3	4	12	We have been notified of wildlife using the adjacent areas which might be affected by the proposed lighting design. We have recommended to the developer the lighting be in accordance wit the ILP guidance note 08 Bats and artificial lighting in the UK document. As a result the lighting levels have been lowered, a warm white LED fitting has been used with the lantern mounted horizontal.
Column heights	Partial	6	2	12	The height of column is subjective. Higher columns even as low as 6m are often not considered suitable by ecologist. However lower column raise light levels and reflected light from the road surface and other surrounding materials. As a compromise only 6m column have bee used where higher column would normally have been used.

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Risk ratings above 20 may require project specific risk assessments from the contractor as the risk cannot be designed out of the project

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Live Traffic		2	4	8	Provide systems of traffic management in accordance with chapter 8 and contractors procedures within CDM documentation
Lifting operations over live carriageway		2	4	8	Appropriate training for plant operators to ensure this does not happen. Do not permit this operation.
Lifting operations near live carriageway		2	4	8	Contractor to provide method statements and detailed risk assessments to cover this operation.
Accidents occurring to public and/or works vehicles while accessing or engrossing the Site		3	4	12	Undertake works in accordance with Chapter 8. Only designated access/egress points are to be used.
Works carried out during the maintenance period		2	4	8	Carry out work in accordance with Chapter 8 of the Signs Manual. Contractor to provide a method statement for approval by the Engineer.

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Exposure of Statutory Undertakers Plant	Yes refer to statutory undertakers plans	3	4	12	Drawings giving approximate location using NRSWA notices received from Statutory Undertakers. Contractor to locate apparatus as part of Contractual requirements prior to commencement of any works. Excavation in the vicinity to be in accordance with HSE recommendations.
Interaction of traffic with the works		2	4	8	Undertake works in accordance with Chapter 8 and in accordance with the constraints specified the Contract documents.
Interaction of pedestrians with the works.		2	2	4	Undertake works in accordance with Chapter 8 the Contract Document. Site Specific Traffic Management contained in the each individual tender. The Contractor must provide a method statement for this operation.
Exposure to pollution and pollution of the environment	Yes	3	2	6	Environmental Protection Act 1990

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Works in confined spaces	Yes	1	3	3	To comply with current legislation e.g. Breathing Apparatus etc. (Report on Examinations) Order 1961 The Lifting Opertaions and lifting equipment regulations 1992 The Construction (Health, Safety and Welfare) Regulations 1996 Factories Act Section 30 Control of Substances Hazardous to Health Regulations 2002 Personal Protective Equipment at Work Regulations 1999 Management of Health and Safety at Work Regulations 1992
Removal of DNO fuse carriers	Yes	4	5	20	Only Electricians holding G39/1 certificates allowed to perform this task.
Working on live electrical equipment	Yes	4	5	20	Only qualified electricians to do this. Contractor to submit method statements and risk assessments.
Storage and transportation of materials		4	2	8	Contractor to propose to the engineer for approval the location of stores/offices.
Disposal of materials		1	4	4	Disposal methods must be agreed with the district E.S.O and also comply with COSHH regulations.

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Staff and operatives on site being injured by the Construction works	Yes	2	4	8	CDM regulations Highways Act 1980 The Lifting Opertaions and lifting equipment regulations 1992 The Construction (Health, Safety and Welfare) Regulations 1996 Control of substances Hazardous to Health Regulations 1988 Noise at work Regualtion 1989 New Roads and Street Works Act 1991 Street Works (Qualifications of Supervisors and Operatives) Regulations 1992 Personal Protective Equipment at Work Regulations 1992 Health and Safety at Work etc. Act 1974

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Erection and maintenance of Traffic Management systems including diversion routes.		4	3	12	The diversion route signs and traffic management systems are to be erected in accordance with Chapter 8. When maintaining the traffic management system to make any alterations or amendments the contractor is to carry them out in accordance with Chapter 8. The Contractor is to provide a method statement for setting out traffic management systems. Work will not start until traffic management is approved by the Engineer.
Excavation works and traffic management left outside normal working day.	Yes	6	2	12	Undertake works in accordance with Chapter 8 and the contract document.
Vehicles running into excavations. Pedestrians, staff and operatives falling into an excavation.		3	4	12	Consider minimum distance of traffic from excavation and requirements for temporary safety / pedestrian barriers.
Use of Hazardous Materials	Yes	2	3	6	COSHH assessments to be provided for all materials but especially: Bituminous Asphalt's, Grout, Deck Waterproofing, Silane, Concrete

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Working at Height		6	3	18	Contractor to comply with work place regulations and also the personal protective equipment at work regulations 1992 (head protection) and working at height regulations 2005
Electrical Testing	Yes	6	3	18	Electrical testing should be carried out in accordance with BS7671, the electricity at work regulations, Health and Safety at work Act and CDM

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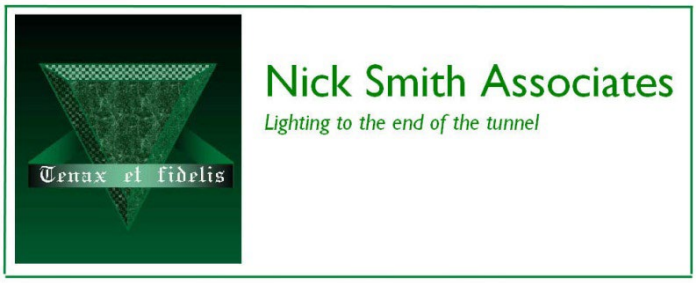
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Working in the Vicinity of LV underground cables lives	Yes	6	3	18	Working in the Vicinity of LV - The Contractor shall comply with (and not limited to) Health and safety executive booklet HS(G)47 "avoiding danger from underground services" and the electricity association engineering recommendation g39/1, safety code of practice E4 covering electrical safety and planning, installation, commissioning and maintenance of public lighting and other street furniture.

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