

GENERAL NOTES:

11. CABLES SHALL BE OF PVC INSULATED WITH COPPER CONDUCTORS 600/1,000V GRADE TO BS6346 OR 450/750V GRADE TO BS7211 LOW SMOKE ZERO HALOGEN (LSZH) UNLESS OTHERWISE STATED. ALL CABLES OF LANTERNS SHALL BE 2.5mm² AND SHALL BE PROTECTED BY TYPE C WITH M9 MCB AND HRC FUSE AT APPROPRIATE RATING.
12. EARTH PITS SHALL BE PROVIDED FOR ALL DIRECTIONAL SIGNS AND COMPLY WITH LIGHTING DIVISION STANDARD DRAWING NOS. HLSDSDE02-CL0034, HLSDSDE02-CL0035 AND HLSDSDE02-CL0036, WHEREVER PRACTICAL.
13. STEEL CONDUITS, EXCEPT FLEXIBLE CONDUITS, SHALL BE OF HOT DIP GALVANIZED AND HEAVY GAUGE TO IEC 60614-2-1. CONDUIT FITTINGS SHALL BE OF HOT DIP GALVANIZED AND COMPLY WITH IEC 61035. METAL BOXES FOR ENCLOSURES OF ELECTRICAL ACCESSORIES IN CONDUIT INSTALLATION SHALL COMPLY WITH BS 4662/ IEC 60670.
14. FLEXIBLE STEEL CONDUIT AND SOLID TYPE ADAPTORS SHALL COMPLY WITH IEC 60614-2-5 AND THE STEEL CONDUIT SHALL BE WATERTIGHT, PVC OVERSHEATHED AND WITH A SEPARATE EARTH WIRE.
15. STAINLESS STEEL BOLTS AND NUTS SHALL COMPLY WITH BS EN ISO 2506: Part 1 & 2.
16. THE ENCLOSURE ACCOMMODATING THE MCB BOARD SHALL BE MADE OF STAINLESS STEEL TO BS EN 10088-2:2005.
17. ALL G.I. CONDUITS SHALL BE PAINTED, WHERE APPROPRIATE, ACCORDING TO THE ENGINEER'S APPROVAL.
18. IN THE EVENT THAT THE COMBINATION OF TOP AND BOTTOM LANTERN MOUNTED ARRANGEMENT IS NOT FEASIBLE, SINGLE TOP MOUNTING SHALL BE ADOPTED. THE NUMBER OF LANTERNS CAN BE DETERMINED BY COMPUTING CALCULATION METHOD USING PARAMETERS INCLUDING THE REFLECTIVE FACTOR AND AVERAGE ILLUMINANCE OF THE WHITE PORTION OF THE SIGN, ETC. WITH THE SELECTION OF SUITABLE LANTERNS TO BE APPROVED BY THE ENGINEER.
19. FOR SMALL SIGN PLATES, THE FOLLOWING CRITERIA SHALL BE APPLIED TO DETERMINE IF LIGHTING IS REQUIRED:

WIDTH (W)	SIGN CONTENT	PROPOSED INSTALLATION
LESS THAN 1.6m	ONE (1) DESTINATION	NO LIGHTING
	TWO (2) DESTINATIONS	1 LANTERN
BETWEEN 1.6m AND 2m	ONE (1) DESTINATION	NO LIGHTING
	TWO (2) DESTINATIONS	1 OR 2 LANTERNS

C	GENERAL REVISION		Aug 14
B	GENERAL REVISION		May 09
A	GENERAL REVISION		Mar 07
	Former Drg. No. HLSDSDE01-DS0001C to DS0002C with general revision		Mar 06
REF.	REVISION	SIGNATURE	DATE

DIRECTIONAL SIGN LIGHTING INSTALLATION-
GENERAL NOTES (SHEET 2 OF 2)

HIGHWAYS DEPARTMENT
LIGHTING DIVISION

REFERENCE	DRAWING No.	CAD
SCALE	HLSDSDE06-DS0004C	
N. T. S.		