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| **CHECKLIST FOR STREET LIGHTS (ELECTRICAL)** | |
| **Description of Works:** | **Date:** |
| **Name of Main Contractor:** | **Name of Person Monitoring:** |
| **Contact Phone or Email:** | **Title:** |
| **Location:** | |

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| **1.0 General Safety Requirements** | **Yes** | **No** |
| 1.1 Correct PPE Gear being Worn |  |  |
| 1.2 Check WTC (1A, 2A, 6A) is current and competencies have been noted on site |  |  |
| 1.2.1 Workers without the relevant WTC are supervised by a relevant WTC holder |  |  |
| 1.3 Check Job Hazard Identification Record Sheet (Tailgate Meetings) |  |  |
| 1.4 Check Working at Heights Check Sheet |  |  |
| 1.5 Check working in Minimum Approach Distance (MAD) zone - |  |  |
| 1.5.1 Workers understand the minimum approach distance (in accordance with ECP34 and Safety Manual – Electricity Industry (SM-EI)) |  |  |
| 1.5.2 Work is compliant with ECP34 and Safety Manual – Electricity Industry (SM-EI) |  |  |
| 1.6 Traffic flow is controlled in accordance with the approved Traffic Management Plan |  |  |
| 1.7 Weather conditions are suitable to carry out prescribed work |  |  |
| 1.8 Tools and equipment are appropriate for the prescribed work |  |  |
| 1.9 Isolation has been executed where required (WTC 1A) in accordance with Safe Practices for Low Voltage Electrical Work August 2004 |  |  |
| 1.10 Is quality of internal wiring and fuse board a high standard |  |  |
| 1.10.1 Connections well made |  |  |
| 1.10.2 Heat shrink used where appropriate |  |  |
| 1.10.3 Cable supported where appropriate |  |  |
| **2.0 Are Poles and Luminaires Installed to Correct Standard** | **Yes** | **No** |
| 2.1 Pole vertical in two directions (parallel to the road and at right angles to road) |  |  |
| 2.2 Luminaires at design tilt (usually 0 degrees for LED luminaires) |  |  |
| 2.3 Gear door is properly fitted and secured – at correct height |  |  |
| 2.4 No physical damage to pole or luminaire (Visual Check: chips, scratches) |  |  |
| 2.5 If pole painted, paint should be in good condition (NO chips, scratches, rubs) |  |  |
| **3.0 Electrical Checks – Each Light Point is an Installation Under AS/NZS 3000** | **Yes** | **No** |
| 3.1 Number of poles checked |  |  |
| 3.2 Number of fuses installed – 1 or 2? (Note: HRC fuse not CB) |  |  |
| 3.3 Fuse Size (standard size 6 Amp HRC) |  |  |
| 3.4 Fuse Board secured to pole (prefer screwed to mounting rail at back of pole) |  |  |
| 3.5 Neutral Bar – Earth bar & link (all connections in accordance with AS/NZS 3000) |  |  |
| 3.6 Main Earth (must be impact welded to earth electrode and buried to 300mm below surface) |  |  |
| 3.7 Main Earth conductor size? |  |  |
| 3.8 Earth wire bond to gear door and pole conductor size |  |  |
| 3.9 Cable type & size to luminaire (example 2c N/S 2.5mm2) |  |  |
| 3.10 Connection of service cable to light pole i.e. nearest tud/pillar or dedicated circuit (describe below) |  |  |
| 3.11 Incoming source cable size and type |  |  |

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| **4.0 Luminaire Control** | **Yes** | **No** |
| 4.1 NEMA socket (Note: 5 or 7 pin NEMA socket is standard) |  |  |
| 4.2 Photocell or light point controller (LPC) |  |  |
| 4.3 Shorting cap (Controlled from switched circuit) |  |  |

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| **Immediate Corrective Actions/Rectifications:** | |
| **Action Taken:** | **By Who:** |
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| **Follow up Corrective and Preventative Actions/Rectifications:** | | |
| **Action:** | **By Who:** | **By When:** |
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**Comments, Observations and Feedback:**

Revision Table

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| --- | --- | --- |
| **Version** | **Date** | **Changes** |
| 1 | 15/10/2020 | Original |
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