

PART 1 – GENERAL

1.1 WORK INCLUDED

- .1 This section specifies the requirements for the installation of traffic signal systems. The Work consists of furnishing all labour, tools, and equipment, and performing all operations necessary to complete the installation of the traffic signal items.
- .2 Unless otherwise specified on the contract drawings and/or the Measurement and Payment Section, the Contractor shall do all work and provide all materials to complete the specified system.
- .3 Those materials which are not specified and/or indicated but are necessary for the complete installation of the work shall be deemed the responsibility of the Contractor and shall be included at no extra cost to the Contract.

1.2 RELATED REQUIREMENTS

- .1 Section 01 33 00 - Submittal Procedures.

1.3 REFERENCES

- .1 CSA International
 - .1 CAN/CSA O80 Series-08, Wood Preservation.
- .2 Reference Documents
 - .1 Newfoundland and Labrador Department of Transportation (NLDOT) Standard Specifications (latest edition).

1.4 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
 - .2 Store electronic equipment in an indoor environment with proper humidity and temperature controls.
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1.6 MEASUREMENT FOR PAYMENT

- .1 Stop-Go Traffic Lights: The supply of all labour, materials, plant and equipment for the installation of the stop-go traffic lights will be measured by the Each (Ea.) calculated from actual field measurements.
- .2 Include incidental to the unit price the cost of all removal and disposal of existing equipment.

PART 2 – PRODUCTS

2.1 MATERIALS

- .1 Traffic Signal Heads
 - .1 Housing: Polycarbonate with red and green polycarbonate lenses and visors. Lenses shall be a minimum of 4” in diameter.
 - .2 Housing color: Yellow.
 - .3 Size: 5” (W) x 10” (H) x 3” (D) minimum.
 - .4 Lamps: All signals to have LED modules built to the latest ITE specifications.
 - .5 Power: To be 120 VAC Input.
 - .6 Wiring: Pre-wired to terminal block.
 - .7 Remote 3-position selector switch for manual ‘red’, ‘green’ or ‘off’ selection.
 - .8 CSA approved.

PART 3 – EXECUTION

3.1 INSTALLATION OF TRAFFIC SIGNALS

- .1 Install traffic signal heads using mounting specified or as directed by Departmental Representative. Mountings to be aluminum complete with hub plates, cast nipples, nuts, bolts, and fitting caps.
- .2 Traffic signals to be mounted to kiosk.

3.2 REMOVAL OF DAMAGED OR OBSOLETE EQUIPMENT

- .1 Dispose of hazardous material in accordance with all applicable laws.
- .2 If requested by the Departmental Representative, return traffic signal equipment to Department. Disassemble and handle with care all traffic signal equipment to be returned.