



CI-0703

## TAB 7: TECHNICAL DISCIPLINES

Electrical

- > Bus loop and bus loop shelter lighting to be 100% OFF.
- > Parking lot lighting to be further reduced to 100% OFF.
- > Illuminated facility ID sign to turn OFF.

### EXTERIOR LIGHTING ON/OFF CONTROLS

The lighting controls shall be designed to provide the following functions:

- > The lighting controller (i.e. timer) shall be programmable controlled, PLC, complete with automatic daylight savings adjustment.
- > Provide a photocell control on all control designs where the default is “dusk to dawn”.
- > Sites that are being rehabilitated should have their lighting controls modified to meet these requirements.

### OVERRIDE SWITCHES

Station lighting is to be wired into separate zones and each zone shall be controlled independently by one of three master override switches. Switches shall be strategically located at the ticket booth, electrical room and exterior of the station. Override switch will be accessible to GO staff and GO approved contractors/agents.

Zones shall include Station building, surface parking, multi-level parking, bus loop, rail platform, Kiss and Ride and access road at a minimum. An overall master shut off switch is also to be provided. Switches shall be housed in a weather tight, PVC lockable box accessible to GO staff, and GO approved contractors/agents. All switches shall have the ability to control any lighting zone. All switched to be labeled with the zone it is controlling.

Remote parking shall have its own override switches following the same guidelines as above. The locations shall be inside the local power cabinet and outside the cabinet housed in a weather tight, PVC lockable box.

### EXIT LIGHTS

Exit lights shall be of the fully self-contained and low energy LED type.

### EMERGENCY LIGHTS

Emergency lighting shall be in accordance with the OBC, the Ontario Electrical Safety Code, and the latest CSA standards.