

re-test occasion. If the loop sensor lead-in combination does not pass all these re-tests, a new loop sensor and/or lead-in shall be installed, and shall pass these tests, at no additional cost.

After the above tests have been satisfactorily completed, all loop sensor/shielded lead-in inductance shall be measured and a written report of the results shall be filed with the City of New Bedford or its authorized representative and a copy stored with the "box prints" at the intersection.

#### **LOAD SWITCHES**

Load switches shall comply with Subsection 6.2 of the NEMA TS 2 Standard. All load switches shall utilize optically isolated encapsulated modular solid-state relays. Discrete components on circuit boards are not acceptable.

Load switch indicator lights shall be LED-type and wired on the input side of the device.

*Note: The controller cabinet assembly shall be initially supplied with a full compliment of load switches to accommodate each available position of the backpanel.*

#### **FLASHER**

Flashers shall comply with Subsection 6.3 of the NEMA TS 2 Standard and be equipped with two output indicator lights which will show flashing power out to the cabinet assembly.

#### **FLASHER TRANSFER RELAYS**

Flash transfer relays shall comply with Subsection 6.4 of the NEMA TS 2 Standard.

The field electrical loading for flash operation shall be wired through the transfer relays such that the load on the 2-circuit flasher is as balanced as possible within the limitations of the signal phasing.

Note: The controller cabinet assembly shall be initially supplied with a full compliment of flash transfer relays to accommodate each available position of the backpanel.

#### **TRAFFIC CONTROLLER CABINET**

The controller cabinets shall conform to the NEMA TS 2 Type 1 Standards, Section 7. Cabinet size shall be as indicated on the plans and as follows:

- Cabinet Type: 6
- Cabinet Size: 56"x 44"x 28"
- Back Panel: 12-Position
- Mounting: Grounded
- MMU: 16 channel

The control cabinet shall be made of aluminum with an interior brushed aluminum finish (not painted aluminum).