

Contractor shall coordinate with the servicing utility company for installation of service meter to controller cabinet.

FLASHING OPERATION

Changes from automatic flashing to stop-and-go operation and from stop-and-go to automatic flashing operation shall occur as set forth in Section 4D.12 of the MUTCD.

TRAFFIC SIGNAL EQUIPMENT

The traffic signal controller unit (CU), malfunction management unit (MMU), detector amplifiers, and all other ancillary traffic signal control components included in the traffic control cabinet shall comply with the National Electrical Manufacturers Association (NEMA) Standard No. TS 2-1998, Traffic Controller Assemblies with National Transportation Communications for ITS Protocol (NTCIP) Requirements.

TRAFFIC SIGNAL CONTROLLER

The Traffic Controller Unit at the intersection of Rockdale Avenue and Bolton Street shall be Type 8DW cabinet assembly with a Type 8WD TS-2 Type 1 controller unit. For uniformity and interchangeability with the City of New Bedford's existing control equipment, an Eagle Traffic Control Systems Co. model EPAC 360g-Series intersection controller shall be required per the City of New Bedford standards specifications. All controller cabinet assemblies, including but not limited to controller units, backpanels, flasher relays, terminal strips and the cabinet, provided under this contract shall be matched sets of the same manufacturer assembled as a system by the manufacturer's designated New England representative.

The controller unit shall meet all applicable requirements of the NEMA Standard Publication TS-2, the Commonwealth of Massachusetts, 1988 Standard Specifications, the supplemental specifications dated November 8, 2000 and include the following as minimum requirements for the "Keyboard Entry Controller Unit".

BUS INTERFACE UNITS

The Bus Interface Unit (BIU) shall comply with Section 8 of the NEMA TS 2 Standard. The BIU shall be fully interchangeable with any other manufacturer's unit and interchangeable in a NEMA TS 2 Type 1 cabinet assembly.

The BIU shall perform the interface function between Port 1 at the controller unit, the malfunction management unit, loop detector rack assembly, and the backpanel terminal and facilities.

As a minimum, two (2) LED indicators shall be provided on the BIU front panel. One indicator shall serve a dual use; as a power on indication and as a diagnostic indicator for proper operation of the device. The second indicator shall serve as a transmit indicator illuminating each time data is transmitted.