

against undisturbed earth. No forms or reinforcing for foundations for mast arm poles, span wire poles and control cabinets shall be set nor shall concrete be placed until the excavation has been inspected by the City of New Bedford or its authorized representative and his approval to proceed has been given.

3. The tops of the cast-in-place units and precast units shall extend no more than ½" (one-half inch) above the finish grade.

SIGNAL HEADS

Signal heads shall be rigid mounted on mast arms, with the bottom of all signals at the same height. All traffic signal lenses shall be 12" in diameter unless otherwise noted on the plans. Louvered backplates shall be 5" provided on all signal heads as noted on the plans. All signal heads shall be equipped with light emitting diode (L.E.D.) 12" modules or 8" modules respectively as noted on the plans. Signal heads shall be made of aluminum.

Signal heads shall be painted gloss yellow.

Red, Yellow, and Green LED Vehicle Signal Modules

Any equipment that has been type-tested and approved according to section 815.21 of the Standard Specifications prior to the date of award of this contract will be considered as meeting these specifications.

All Red, Yellow and Green LED signal housings with the exception of optically-programmed and fiberoptic housings shall conform to the following:

All Red and Green LED signal modules shall conform to "Interim LED Purchase Specification of the Institute of Transportation Engineers, Vehicle Traffic Control Signal Heads - Part 2: Light Emitting Diode (LED) Vehicle Traffic Signal Modules", July 1998, or most current version, Institute of Transportation Engineers (ITE), 525 School Street, SW, Suite 410, Washington, DC, 20024-2797.

Yellow LED signal modules shall conform to the above specifications with the exception that yellow modules shall met maintained Minimum Luminous Intensity values of Table 1, Section 4 of the above referenced ITE specification of compliant green signal modules at 25°C at 120 volts AC, throughout the useful life based on normal use in traffic signal operation over the operating temperature range.

All signal modules shall conform to the following: (in the case of a conflict, the following special provision shall overrule.)

An independent laboratory shall certify that the LED signal module complies with Section 6 Quality Assurance of the above stated ITE LED Purchase Specification.

LED signal modules must be type-tested and approved by the department according to the requirements of Subsection 815.21 of the Standard Specifications for Highways and Bridges.