

## SECTION 813 — SIGNS

**813.01 DESCRIPTION.** This work shall consist of furnishing and installing signs of sheet aluminum or extruded aluminum panels, all with a reflective or nonreflective sheeting background, and all direct applied or silk screened copy or demountable copy with bolts and fittings to erect the signs as specified in the Contract Documents or as directed by the Engineer. Sign supports shall be as specified in Sections 802, 803, and 812.

The sign installation shall include clearing work to provide for good sight distance.

### 813.02 MATERIALS.

|                                       |  |
|---------------------------------------|--|
| Sign Panel Supports and Hardware      | 909.07, 921.05, 921.06, 950.04, A 123, A 153 and A 709 |
| Reflective and Nonreflective Sheeting | 950.03   |
| Sign Materials                        | 950.08   |

The Administration will supply traffic signal related signs and their mounting hardware for span wire, mast arm, and signal pole mounted signs. All other mounting hardware shall be supplied by the Contractor and shall be manufactured from stainless steel.

**813.03 CONSTRUCTION.** Extruded aluminum shall have demountable copy. Sheet aluminum shall have direct applied or silk screen copy. After installation of the signs is completed, they will be inspected. If specular reflection is apparent on any sign, its positioning shall be adjusted by the Contractor as directed by the Engineer.

Each new sign location shall be inspected to determine if clearing is required. All clearing and disposal shall be done as specified in Section 101. Any tree limbs protruding within the limits of clearing shall be removed as specified in Section 712. The limits of clearing for each location shall be as specified in the Contract Documents.

### 813.04 MEASUREMENT AND PAYMENT.

**813.04.01** Signs will be measured and paid for at the Contract unit price per square foot of area of the vertical front face of the completed sign with no deduction for required shaping. The payment will be full

compensation for the mounting hardware and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

**813.04.02** Administration furnished signs and mounting hardware will be measured and paid for at the Contract unit price per square foot for the completed sign installed. The payment will be full compensation for all transportation, drilling holes as specified, installation, and for all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**813.04.03** Clearing for signing will not be measured but the cost will be incidental to the Contract unit price for furnishing and installing the signs.

## SECTION 814 — SIGNAL HEADS

**814.01 DESCRIPTION.** This work shall consist of furnishing and installing vehicle traffic control signal heads and pedestrian traffic control signal indications and mounting hardware as specified in the Contract Documents or as directed by the Engineer.

### 814.02 MATERIALS.

Traffic Signal Heads

950.15

### 814.03 CONSTRUCTION.

**Aiming.** Signal heads shall be aimed to be visible in conformance with the minimum requirements of the MUTCD.

**814.04 MEASUREMENT AND PAYMENT.** Aluminum, Polycarbonate, and Optically Programmed Signal Heads and Pedestrian Signal Indications furnished and installed will be measured and paid for at the Contract unit price per each section of signal head type and size as specified in the Contract Documents. The payment will be full compensation for all lens, mounting hardware, assembly, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.