

Section 1745

1 Do not erect pedestals until concrete has attained a minimum compressive strength of
2 2,500 psi as determined by cylinder breaks.

3 Refer to *Roadway Standard Drawings* No. 1705 and 1743.

4 **1743-4 MEASUREMENT AND PAYMENT**

5 *Type I Post with Foundation* will be measured and paid as the actual number of pedestrian
6 pushbutton posts furnished, installed and accepted.

7 *Type II Pedestal with Foundation* will be measured and paid as the actual number of normal-
8 duty pedestals with foundations furnished, installed and accepted.

9 *Type III Pedestal with Foundation* will be measured and paid as the actual number of heavy-
10 duty pedestals with foundations furnished, installed and accepted.

11 No measurement will be made for pedestal foundations, grounding systems and any
12 peripheral pedestal mounting hardware as these are incidental to furnishing and installing
13 pedestals.

14 Payment will be made under:

| Pay Item | Pay Unit |
|-----------------------------------|-----------------|
| Type I Post with Foundation | Each |
| Type II Pedestal with Foundation | Each |
| Type III Pedestal with Foundation | Each |

15 **SECTION 1745**
16 **SIGNS INSTALLED FOR SIGNALS**

17 **1745-1 DESCRIPTION**

18 Furnish and install signs for signals with cable hangers, rigid sign mounting brackets,
19 U-channel posts and all necessary hardware.

20 **1745-2 MATERIAL**

21 Refer to Division 10.

| Item | Section |
|--------------------------|----------------|
| Signs and Hardware | 1092-1 |
| Retroreflective Sheeting | 1092-2 |

22 Use Grade C retroreflective sheeting, except for black sheeting. Use non-reflective for black
23 sheeting.

24 Conform to the message layout, size and color as required in the MUTCD.

25 For messenger cable mounting, furnish either messenger cable hangers with free-swinging,
26 360° adjustable sign brackets or 3-bolt clamps as directed. Furnish aluminum, galvanized
27 steel or stainless steel sign supporting hardware.

28 For ground mounting, furnish steel, 3 lb, U-channel posts with hardware for ground mounting.
29 Comply with Section 903.

30 For mast-arm mounting, furnish rigid aluminum, galvanized steel or stainless steel sign
31 mounting brackets.

32 **1745-3 CONSTRUCTION METHODS**

33 Install signs with applicable mounting hardware. Comply with sign offsets and mounting
34 heights as shown in the MUTCD and the *Roadway Standard Drawings* No. 904.50.

35 For messenger cable mounting, install signs 6" minimum from signal heads.

- 1 For ground mounting, comply with Article 903-3.
- 2 For mast arm mounting, install attachment brackets to allow adjustment so signs:
- 3 (A) Are aimed in required direction,
- 4 (B) Are plumb as viewed from respective approaches,
- 5 (C) May be tilted forward or backward as required, and
- 6 (D) May be raised or lowered on mast arm throughout full length of sign.

7 **1745-4 MEASUREMENT AND PAYMENT**

8 *Sign for Signals* will be measured and paid as the actual number of signs for signals,
 9 regardless of mounting method, furnished, installed and accepted.

10 Payment will be made under:

| Pay Item | Pay Unit |
|------------------|-----------------|
| Sign for Signals | Each |

11 **SECTION 1746**
 12 **RELOCATE EXISTING SIGN**

13 **1746-1 DESCRIPTION**

14 Relocate existing signs.

15 **1746-2 CONSTRUCTION METHODS**

16 As directed by the plans, relocate existing signs. Comply with Article 1745-3.

17 **1746-3 MEASUREMENT AND PAYMENT**

18 *Relocate Existing Sign* will be measured and paid as the actual number of existing signs,
 19 regardless of mounting method, relocated and accepted.

20 Payment will be made under:

| Pay Item | Pay Unit |
|------------------------|-----------------|
| Relocate Existing Sign | Each |

21 **SECTION 1747**
 22 **LED BLANKOUT SIGN**

23 **1747-1 DESCRIPTION**

24 Furnish and install Light Emitting Diode (LED) blankout signs with all necessary hardware as
 25 set forth in the plans and specifications. Design the signs with the options to display "NO
 26 (LEFT or RIGHT) TURN TRAIN". Fabricate the sign to be between 27" and 29" wide,
 27 between 37" and 39" high and approximately 8" deep.

28 **1747-2 MATERIAL**

29 Furnish material, equipment and hardware under this section that is pre-approved on the
 30 ITS and Signals QPL.

31 **1747-3 CONSTRUCTION METHODS**

32 Install LED blankout signs with wire entrance fittings, span wire cable mounting assemblies,
 33 pedestal mounting assemblies, signal cable, lashing wire and all necessary hardware.

34 Relocate existing blankout signs with all necessary hardware.