

1 Amend **Section 621 - Traffic Control Signs** to read as follows:

2
3 **"SECTION 621 - TRAFFIC CONTROL SIGNS**

4
5 **621.01 Description.** This work includes furnishing and installing sign posts
6 and foundations, reflector markers, object markers, signs, sign panels,
7 construction signs; and incidental work necessary to complete the work.

8
9 **621.02 Materials.** Concrete for sign structures shall be of the class
10 specified in the contract and shall conform to Section 601 - Structural Concrete.
11 Other materials shall conform to the following:

12

13 Signs	712.20
14	
15 Reflector Marker	712.21
16	
17 Sign Posts	713.11
18	
19 Fasteners for Signs	713.12

20

21 Retroreflective sheeting type shall conform to ASTM Designation D
22 4956-89 or as amended according to Subsection 712.20.

23
24 **621.03 Construction Requirements.**

25
26 **(A) Sign Supports.** Install permanent signs on posts as specified in
27 the contract. Set the posts plumb at the required locations.

28
29 **(1) Sign Posts.** Use flange channel posts or 12 or 14 gauge
30 square tube posts of the size specified in the plans for:

31
32 **(a)** Regulatory, warning, and construction signs,

33
34 **(2) Reflector Marker, Milepost Marker, And Type II Object**
35 **Marker Posts.** Reflector marker, milepost marker, and Type II
36 object marker posts shall be either metal posts or flexible
37 delineator posts as specified in the contract. Zinc-coat the metal
38 posts. The metal post shall be 1.12 pounds per foot flanged
39 channel posts or 1-1/2 inch, 12 or 14 gauge square tube posts.

40
41 **(B) Reflector Marker.** Make the reflector marker according to the
42 dimensions and notes shown in the contract:

43
44 **(1)** Reflector markers RM-2, and RM-3 shall be either:

45
46 **(a)** Type III or IV retroreflective sheeting markers,

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1 (b) Glass sphere reflector markers with 4 inch by 5 inch
2 reflector units, or

3
4 (c) Plastic prismatic reflector markers with 3 inch
5 diameter reflector units.

6
7 (2) Reflector marker RM-4 and RM5 shall be a Type III or IV
8 retroreflective sheeting marker.

9
10 (C) **Type II Object Marker.** Make Type II object markers according
11 to the dimensions and notes shown in the contract. Reflective sheeting
12 material shall conform to Subsection 712.20(C)(4) - Type III or IV
13 Retroreflective Sheeting.

14
15 (D) **Splicing of Sheet Reflecting Material.** When using reflecting
16 material as a background or signs with sheet aluminum backing, the
17 Engineer will not allow splicing on legends. The reflecting material shall
18 be of one piece whenever the sign dimensions are 4 feet by 6 feet or less.

19
20 (E) **Removal of Existing Signs.** Remove, clean, and store the
21 existing regulatory, warning, expressway, destination and directional
22 signs and markers that the Contractor will not incorporate in the
23 completed project at a location as ordered by the Engineer. The
24 Engineer will decide which items are for disposal or storage.

25
26 (F) **Labeling of Signs.** Label the back of each new sign installed
27 with the following information:

28
29 (1) Route Number,

30
31 (2) Mile Post (same as the existing sign), and

32
33 (3) Date (date the Contractor installs the sign).

34
35 The labeling shall be 1 inch high numbers using a black permanent
36 felt-tipped marker.

37
38 (G) **Construction Signs.** Erect construction signs at the beginning
39 of project and at the end of project at the location indicated by the
40 Engineer. These signs shall remain for the duration of the highway
41 project. Maintain these signs. Place these signs besides the required
42 traffic control signs called for in Section 645 - Traffic Control.

43
44 The construction signs shall be new and become the property of
45 the Contractor.

1 **621.04 Method of Measurement.** The Engineer will measure signs and
2 markers per each.
3

4 **621.05 Basis of Payment.** The Engineer will pay for the accepted
5 regulatory and warning signs and markers at the contract unit price per each
6 complete in place. The price includes full compensation for excavating and
7 backfilling, furnishing and installing materials, labeling, and furnishing
8 equipment, tools, labor and incidentals necessary to complete the work.
9

10 The Engineer will pay for the accepted construction signs at the contract
11 unit price per each complete in place. The price includes full compensation for
12 sign panels, posts, nuts, bolts, washers, base support, brackets and necessary
13 hardware, labor, tools, equipment and incidentals necessary for the installation,
14 maintenance, removal, cleaning, delivering, and storing of the signs with posts.
15

16
17 The Engineer will make payment under:
18

19 Pay Item	20	21 Pay Unit
22 Construction Sign _____	23	Each
24 Reflector Marker _____	25	Each
26 Type II Object Marker	27	Each"

28
29
30 **END OF SECTION 621**