

1 **(September 8, 2020)**

2 **Precast Concrete Noise Barrier Walls**

3 Grout for encapsulating dowel bars shall conform to Section 6-02.3(26)H.

4
5 Grout pads at the bases of precast concrete panels shall conform to Section 6-02.3(20).

6
7 Base plates and anchor bolt templates shall conform to ASTM A 36. Base plates shall
8 be corrosion protected by one of the following methods:

- 9
10 1. One coat of paint conforming to Section 9-08.1(2)F.
11
12 2. Galvanized after fabrication in accordance with AASHTO M 111.
13
14 3. Galvanized after fabrication in accordance with ASTM B 695, Class 5, Type 1.

15
16 Anchor rods shall conform to ASTM F 1554 Grade 105. Nuts shall conform to ASTM A
17 563. Washers shall conform to ASTM F 436, except that plate washers conforming to
18 ASTM A 36 may be used. Nuts and washers, and a minimum of 1'-0" of the exposed
19 end of the anchor rod, shall be corrosion protected by one of the following methods:

- 20
21 1. One coat of paint conforming to Section 9-08.1(2)F.
22
23 2. Galvanized after fabrication in accordance with ASTM F2329.
24
25 3. Galvanized after fabrication in accordance with ASTM B 695, Class 5, Type 1.

26
27 The cone head end, 1'-0" minimum, of Rod A and steel reinforcing Bar B, as identified in
28 the Standard Plans, shall be painted with one coat paint conforming to Section 9-
29 08.1(2)F.

30
31 The sealant system for the vertical joint between precast concrete panels shall consist of a
32 polyurethane sealant conforming to Section 9-04.2(3) and a closed cell foam backer rod
33 conforming to ASTM C 1330 Type C. The polyurethane sealant shall be tested for
34 compatibility with the closed cell foam backer rod in accordance with Section 9-04.2(3).