

1 **Section 5-01, Cement Concrete Pavement Rehabilitation**
2 **January 3, 2017**

3 In this section, "portland cement" is revised to read "cement".

4
5 **5-01.2 Materials**

6 In the first paragraph, the following item is inserted after the item "Joint Sealants":

7
8 Closed Cell Foam Backer Rod 9-04.2(3)A

9
10 **5-01.3(1)A Concrete Mix Designs**

11 This section, including title, is revised to read:

12
13 **5-01.3(1)A Mix Designs**

14 The Contractor shall use either concrete patching materials or cement concrete for the
15 rehabilitation of cement concrete pavement. Concrete patching materials shall be used
16 for spall repair and dowel bar retrofitting and cement concrete shall be used for concrete
17 panel replacement.

18
19 **5-01.3(1)A1 Concrete Patching Materials**

20 Item number 1 is revised to read:

- 21
22 1. **Materials** – The prepackaged concrete patching material and the aggregate
23 extender shall conform to Section 9-20.

24
25 **5-01.3(1)A2 Portland Cement Concrete**

26 This section, including title, is revised to read:

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28 **5-01.3(1)A2 Cement Concrete for Panel Replacement**

29 Cement concrete for panel replacement shall meet the requirements of Sections 5-
30 05.3(1) and 5-05.3(2) and be air entrained with a design air content of 5.5 percent.
31 Cement concrete for panel replacement may use rapid hardening hydraulic cement
32 meeting the requirements of Section 9-01.2(2). Rapid hardening hydraulic cement will
33 be considered a cementitious material for the purpose of calculating the
34 water/cementitious materials ratio and the minimum cementitious materials requirement.

35
36 **5-01.3(1)B Equipment**

37 This section's title is revised to read:

38
39 **Equipment for Panel Replacement**

40
41 **5-01.3(2)B Portland Cement Concrete**

42 This section's title is revised to read:

43
44 **Cement Concrete for Panel Replacement**

45
46 This section is supplemented with the following new subsection:

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1 **5-01.3(2)B1 Conformance to Mix Design**
2 Acceptance of cement concrete pavement for panel replacement shall be in accordance
3 with Section 5-01.3(2)B. The cement, coarse, and fine aggregate weights shall be within
4 the tolerances of the mix design in accordance with Section 5-05.3(1).

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6 **5-01.3(2)B1 Rejection of Concrete**

7 This section is renumbered as follows:

8
9 **5-01.3(2)B2 Rejection of Concrete**

10
11 **5-01.3(4) Replace Portland Cement Concrete Panel**

12 This section's title is revised to read:

13
14 **Replace Cement Concrete Panel**

15
16 **5-01.3(8) Sealing Existing Transverse and Longitudinal Joints**

17 This section's title is revised to read:

18
19 **Sealing Existing Longitudinal and Transverse Joint**

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21 The first paragraph is revised to read:

22
23 The Contractor shall clean and seal existing longitudinal and transverse joints where
24 shown in the Plans or as marked by the Engineer.

25
26 The first sentence of the second paragraph is revised to read:

27
28 Old sealant and incompressible material shall be completely removed from the joint to
29 the depth of the new reservoir with a diamond blade saw in accordance with the detail
30 shown in the Standard Plans.

31
32 The fifth paragraph is revised to read:

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34 Immediately prior to sealing, the cracks shall be blown clean with dry oil-free
35 compressed air. If shown in the Plans, a backer rod shall be placed at the base of the
36 sawn reservoir. The joints shall be completely dry before the sealing installation may
37 begin. Immediately following the air blowing and backer rod placement, if required, the
38 sealant material shall be installed in conformance to manufacturer's recommendations
39 and in accordance with Section 5-05.3(8)B.

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41 **5-01.3(9) Portland Cement Concrete Pavement Grinding**

42 This section's title is revised to read:

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44 **Cement Concrete Pavement Grinding**

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46 **5-01.3(11) Concrete Slurry and Grinding Residue**

47 The last sentence of the first paragraph is revised to read:

48
49 Slurry shall not be allowed to drain into an area open to traffic, off of the paved surface,
50 into any drainage structure, water of the state, or wetlands.

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52 The following new sentence is inserted at the end of the second paragraph:

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The Contractor shall submit copies of all disposal tickets to the Engineer within 5 calendar days.

5-01.4 Measurement

The fourth paragraph is revised to read:

Sealing existing longitudinal and transverse joint will be measured by the linear foot, measured along the line of the completed joint.

5-01.5 Payment

The Bid item "Sealing Transverse and Longitudinal Joints", per linear foot and the paragraph following Bid item are revised to read:

"Sealing Existing Longitudinal and Transverse Joint", per linear foot.

The unit Contract price per linear foot for "Sealing Existing Longitudinal and Transverse Joint", shall be full payment for all costs to complete the Work as specified, including removing incompressible material, preparing and sealing existing transverse and longitudinal joints where existing transverse and longitudinal joints are cleaned and for all incidentals required to complete the Work as specified.