

1 **Section 5-05, Cement Concrete Pavement**
2 **January 3, 2017**

3 **5-05.3(1) Concrete Mix Design for Paving**

4 In last sentence of the second paragraph of item number 1, the reference to "Section 9-
5 01.2(4)" is revised to read "Section 9-01.2(1)B".

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7 The following is inserted after item number 2:

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9 3. **Mix Design Modifications** - The Contractor may initiate adjustments to the
10 aggregate proportions of the approved mix design. An adjustment in both the fine
11 and coarse aggregate batch target weights of plus or minus 200 pounds per cubic
12 yard will be allowed without resubmittal of the mix design. The adjusted aggregate
13 weights shall become the new batch target weights for the mix design.

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15 Item number 3 is renumbered to 4 and revised (up until the table) to read:

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17 4. **Conformance to Mix Design** - Cement and coarse and fine aggregate weights
18 shall be within the following tolerances of the batch target weights of the mix
19 design:

Portland Cement Concrete Batch Weights		
Cement	+5%	-1%
Coarse Aggregate	+2%	-2%
Fine Aggregate	+2%	-2%

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22 **5-05.3(3)B Mixing Equipment**

23 The last sentence of item number 4 is revised to read:

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25 Plant-mixed concrete may be transported in nonagitated vehicles provided that the
26 concrete is in a workable condition when placed and:

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28 a. discharge is completed within 45 minutes after the introduction of mixing water
29 to the cement and aggregates, or
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31 b. discharge is completed within 60 minutes after the introduction of mixing water
32 to the cement and aggregates, provided the concrete mix temperature is 70°F
33 or below during placement, or
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35 c. discharge is completed within 60 minutes after the introduction of mixing water
36 to the cement and aggregates, provided the mix contains an approved set
37 retarder at the manufacturer's minimum dosage rate.

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39 **5-05.3(6) Subgrade**

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

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42 **5-05.3(6) Surface Preparation**

43 The Subgrade surface shall be prepared and compacted a minimum of 3 feet beyond
44 each edge of the area which is to receive concrete pavement in order to accommodate
45 the slip-form equipment.

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47 Concrete shall not be placed during a heavy rainfall. Prior to placing concrete:

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1. The surface shall be moist;
2. Excess water (e.g., standing, pooling or flowing) shall be removed from the surface.
3. The surface shall be clean and free of any deleterious materials.
4. The surface temperature shall not exceed 120°F or be frozen.

5-05.3(7)A Slip-Form Construction

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

The alignment and elevation of the paver shall be regulated from outside reference lines established for this purpose, or by an electronic control system capable of controlling the line and grade within required tolerances.