

1                   **SECTION 411 - PORTLAND CEMENT CONCRETE PAVEMENT**

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3    Make the following amendments to said Section:

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5    **(I)**     Amend **Subsection 411.03(I)(1) — General** by revising the first paragraph from  
6    line 205 to 210 to read:

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8               **"(1)**    General.   Make advance arrangements for preventing delay in  
9               concrete delivery and placement.   An interval of more than 30 minutes  
10              between placement of two consecutive batches or loads shall constitute  
11              cause for stopping paving operations and requiring construction joint to be  
12              placed, at no increase in contract price or contract time, at location and of  
13              the type ordered by the Engineer."

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15   **(II)**    Amend **Subsection 411.03(M)(7) — Final Finish** by revising the first paragraph  
16    from line 646 to 681 to read:

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18               "The surface shall be textured longitudinally by mechanical  
19               grooving.   Grooves shall be cut into the hardened concrete using a  
20               mechanical water-cooled diamond edge blade saw device which shall  
21               leave grooves nominally 0.095-inch wide and 3/16-inch deep.   The  
22               grooves shall be spaced apart at ¾ inch centers along row.   The tolerance  
23               for the width of the grooves is 0 to (+) 0.05 inch, (i.e. the maximum groove  
24               width shall be 0.145-inch wide and the minimum groove width shall be  
25               0.095-inch wide) and the tolerance for the depth of the grooves is (+/-)  
26               1/16-inch.   The tolerance for the spacing of the grooves is (+) 1/4-inch of  
27               the exterior curves, between passes, this will be allowed to accommodate  
28               any road curvature.

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30               If grooves cannot be cut in a continuous longitudinal operation, the  
31               continuation of grooves shall be aligned such that joint are not visible.   If,  
32               after the initial grooving, it is discovered that there are portions of the  
33               surface that remain un-grooved, the Contractor shall groove these areas  
34               based on a remedial plan accepted by the Engineer.

35  
36               Before grooves are cut into the accepted hardened concrete, a final  
37               straight edging and corrective work, if required, shall be done by the  
38               Contractor.   Grooves shall be cut continuously and parallel to the  
39               roadway baseline.   Grooving shall be done after the concrete  
40               has attained sufficient strength to prevent spalling and releveling, and  
41               before the structure is opened to traffic.   Concrete shall have a smooth  
42               surface.   If the Engineer determines that surface does not meet skid  
43               resistance requirements, the entire deck surface shall be textured by  
44               grinding in accordance with Section 411.03(N), Lines 762 to 776;

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46               A working plan to control, collect and dispose the run-off water at  
47               an accepted off-site facility shall be submitted to the Engineer.

The requirement of Section 411.03(1) - Placing, Consolidating, and Shaping Concrete and Section 411.03(N) - Surface Test shall apply.

The Contractor shall not apply any additional water to the concrete surface in an effort to aid his finishing operation. The unauthorized application of water will result in the rejection of the day's concrete placement."

(III) Amend **411.04 — Measurement** by revising lines 955 to 961 to read as follows:

**"411.04 Measurement.**

(A) Concrete pavement will be paid on a lump sum basis. Measurement for payment will not apply.

(B) The Engineer will measure concrete pavement per cubic yard or square yard in accordance with the contract documents."

(IV) Amend **411.05 — Payment** by revising lines 971 to 983 to read as follows:

<b>"Pay Item</b>	<b>Pay Unit</b>
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<b>(B)</b> _____-Inch Concrete Pavement	Cubic Yard
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The Engineer will not pay for longitudinal joints, transverse expansion joints, transverse contraction joints, or construction joints separately and will consider the cost for those items as included in the contract price for the concrete pavement pay item. The cost is for the work prescribed in this section, Section 411 — Portland Cement Concrete Pavement, and the contract documents."

**END OF SECTION 411**