

1                                   **SECTION 601 - STRUCTURAL CONCRETE**

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3       Make the following amendments to said Section:

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5       **(I) Amend 601.03(B) Design and Designation of Concrete** by revising the  
6       second sentence of the first paragraph at lines 42 and 43 as follows:

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8               “Submit mix designs using State Highways Division form DOT 4-151.”

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10       **(II) Amend 601.03(B) Design and Designation of Concrete** by adding the  
11       following two paragraphs after paragraph six at line 71:

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13               Design class concrete, as specified in Table 601.03-1 Design of Concrete,  
14       with a maximum of 300 pounds of water per cubic yard of concrete using coarse  
15       aggregate size No. 57, a maximum of 315 pounds of water per cubic yard of  
16       concrete using coarse aggregate No. 67, and a maximum of 350 pounds of water  
17       per cubic yard of concrete using 3/8” maximum aggregate size.

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19               When the Engineer suspects that the concrete might fail to meet specified  
20       strength or other performance requirement(s), he may direct the Contractor to  
21       collect samples of the concrete in question and perform test(s) in accordance with  
22       subsection 106.04 to determine if the concrete in question meets the specified  
23       requirement(s).”

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25       **(III) Amend 601.03(B) Design and Designation of Concrete** by revising the  
26       maximum water-cement ratio for concrete designated by strength to read 0.45  
27       instead of 0.49 at line 73 in Table 601.03-1- DESIGN OF CONCRETE.

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29       **(IV) Amend 601.03(C)(4) Admixtures** by adding the following sentences at the  
30       start of the first paragraph at line 198:

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32               “All admixtures shall be compatible with each other. Admixtures which  
33       significantly increase the drying shrinkage or creep in the concrete may be rejected  
34       by the Engineer.”

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36       **(V) Amend 601.03(E) Transporting Mixed Concrete** by deleting the words  
37       “Section 12.5 of” at the end of the first paragraph at line 429.

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39       **(VI) Amend 601.03(F) Consistency** by adding the following paragraph after the  
40       last paragraph at line 507:

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42               “If the slump of the ready mix concrete upon delivery is below the design  
43       slump, water may be added provided:

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45               **(1)** Water shall not be added to the concrete if more than ¼ cubic of

46 concrete has been discharged from the mixer.  
47

48 (2) Water may be added only up to 30 minutes after the average travel  
49 time to the jobsite.

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51 (3) The maximum slump, the maximum water/cement ratio, and the  
52 maximum water per cubic yard shall not be exceeded.  
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54 (4) Not more than 1 ½ gallons of water per cubic yard shall be added to  
55 the concrete, but not more than the amount of "held-back" water.  
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57 (5) The amount of "held-back" water from the approved mix design shall  
58 be shown on the delivery ticket."  
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60  
61  
62 **END OF SECTION 601**