

**353 CONCRETE PAVEMENT SLAB REPLACEMENT.**  
**(REV 12-17-10) (FA 1-3-11) (7-11)**

ARTICLE 353-2 (Page 363) is deleted and the following substituted:

**353-2 Materials.**

Meet the following requirements:

Portland Cement Concrete .....	Section 346
Coarse Aggregate.....	Section 901
Fine Aggregate.....	Section 902
Portland Cement.....	Section 921
Water.....	Section 923
Admixtures.....	Section 924
Curing Materials .....	Section 925
Epoxy Compounds.....	Section 926
Pozzolans and Slags* .....	Section 929
Embedded Items.....	Section 931
Calcium Chloride.....	AASHTO M-144, Type 1

\*For concrete pavement slab replacement, the use of pozzolans and slag is

optional.

Concrete pavement containing only dowel bars will be considered non-reinforced concrete.

SUBARTICLE 353-3.1 (Page 363) is deleted and the following substituted:

**353-3.1 Mixture Proportions:** Designate the actual proportions to be used to produce a concrete with a minimum 6-hour compressive strength of 2,200 psi and a minimum 24-hour compressive strength of 3,000 psi.

Prior to producing concrete, submit the design mix for approval on a form acceptable to the Department. Ensure the 24-hour acceptance strength has a minimum over design of 400 psi. Indicate slump before and after addition of accelerator. Use mixes approved by the Department and from an approved concrete production facility meeting the requirements of Section 105.

When an accelerating admixture is used in solution, the amount of water in the solution is considered to be part of the mixing water. Make necessary adjustment to the concrete mix-water to account for the amount of water in the accelerating admixture solution. Test the concrete for consistency subject to the following values from the approved mix design values:

Slump Tolerance** .....	plus or minus 1.5 inches
Entrained Air** .....	1% to 6%
Temperature not to exceed	100°F

\*\*For values as specified in the approved Design Mix prior to the addition of accelerating admixture.