

709-R-693 ALTERNATE TO CONCRETE SEALERS

(Revised 12-19-19)

The Standard Specifications are revised as follows:

SECTION 709, BEGIN LINE 79, INSERT AS FOLLOWS:

(c) Alternate to Concrete Sealers

In lieu of concrete surface sealing for concrete barrier wall, ~~bridge decks, reinforced concrete bridge approaches,~~ *terminal joint lugs*, pier and bent caps, bridge railing, and bridge railing transitions, an alternate concrete mix design may be used.

The concrete mix design shall be as specified, except either 3% silica fume by weight of cementitious material shall be added to the mix design or 30% ~~ground granulated blast furnace~~ slag *cement* substitution based on the required cement content shall be incorporated into the mix. The substitution of ~~ground granulated blast furnace~~ slag *cement* shall be in accordance with 702.05. A water-reducing admixture or a water-reducing retarding admixture shall be used in the mix design, and the amount of water added shall be adjusted accordingly. The use of these admixtures shall be in accordance with 702.05.

When one of these alternate concrete mix designs are used in lieu of a concrete surface sealer, a finish in accordance with 702.21 will be required.
