

CEMENT CONCRETE PAVEMENT – COLORED CONCRETE.
(REV 5-11-16) (FA 5-12-16) (7-17)

ARTICLE 350-1 is expanded by the following:

Construct colored portland cement concrete pavement as shown in Plans.

ARTICLE 350-2 is deleted and the following substituted:

350-2 Materials.

350-2.1 General: Meet the following requirements:

Concrete, Class I or Class I (Pavement)	Section 346
Grinding Concrete Pavement.....	Section 352
Curing Materials	Section 925
Embedded Items.....	Section 931
Joint Seal.....	Section 932

For concrete pavement placed using the slip-form method of construction, utilize Concrete Class I (Pavement). For concrete pavement placed by hand in constructed forms, utilize Concrete Class I or Concrete Class I (Pavement). LOT size for the use of either material shall be as stated in Section 346 for Concrete Class I (Pavement).

350-2.2 Colored Concrete Pavement: Add coloring agents to the concrete mix in accordance with the manufacturer's recommendations.

Use a mineral oxide containing no calcium chloride. Use only non-fading, finely ground synthetic coloring agents that are lime proof and UV resistant. The mineral oxide must closely match the Federal Standard 595C Color number shown in the Plans and conform to the requirements of ACI 303.1, ASTM C979, and ASTM C494. Submit to the Engineer a certificate from the manufacturer attesting that the color agents meet the requirements of this Subarticle.

ARTICLE 350-10 is deleted and the following substituted:

350-10 Final Finish.

350-10.1 Finishing: As the water sheen disappears from the surface of the pavement and just before the concrete achieves its initial set, drag a seamless length of damp burlap that extends the full width of the strip of the constructed pavement, longitudinally along the surface to produce a uniform gritty texture.

Use a burlap drag that consists of two layers of medium weight burlap with the trailing edge of the lower layer extending approximately 2 inches behind the upper layer. Support the burlap drag in a manner so that a length of at least 3 feet of burlap is in contact with the pavement.

Except in areas where using hand methods to construct the pavement, support the lead end of the burlap drag by a traveling bridge. Maintain the drag clean and free from encrusted mortar. Replace the burlap with new material as necessary.

350-10.2 Edging: After applying the final finish, but before the concrete has become nonplastic, carefully round the edges to a 1/4 inch radius on each side of transverse expansion

joints and construction joints and along any structure extending into the pavement. Produce a well-defined and continuous radius, and obtain a smooth, dense mortar finish. Completely remove all concrete from the top of the joint filler.

Check all joints with a straightedge before the concrete has become nonplastic, and, if one side of the joint is higher than the other or the entire joint is higher or lower than the adjacent slabs, make corrections as necessary.

350-10.3 Colored Concrete Pavement: Imprint concrete as shown in the Plans. If no imprint finish is shown in the Plans, finish in accordance with this Article.