MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**COLORED CONCRETE SIDEWALK**

RDS:NA 1 of 2 APPR:JN:JFS:10-12-21

**a. Description.** This work consists of constructing colored concrete sidewalk as shown on the plans and as directed by the Engineer. Complete this work in accordance with the applicable sections of the standard specifications and this special provision. Follow industry standards and conform to the details as shown on the plans.

**b. Materials.** Furnish materials in accordance with section 803 of the Standard Specifications for Construction. Furnish tools and equipment as recommended by the manufacturer and as approved by the Engineer. Use materials from a single manufacturer and concrete supplier throughout the entire project.

Select coloring agents, colored admixture, joint sealant, clear surface sealant and all material required to construct colored concrete surfaces from the following supplier list or propose an alternate source to the Engineer for approval. Secure the approval for the final color selection for all coloring agents from the Engineer prior to beginning production.

1. Coloring Agent. Produce the colored concrete using an oxide type pigmented admixture in accordance with *ASTM C979/C979M* added at the concrete batch plant. The required colors are indicated on the plans.

2. Clear Surface Sealant. Apply a low-luster, matte finish, clear coating recommended by the manufacturer to protect the concrete surface.

3. Joint Sealant. Seal all expansion joints with a premium-quality, three component, gun-grade, color-matched, low-modulus sealant for dynamically moving joints for exterior applications as recommended by the manufacturer.

Acceptable manufacturers:

Company Phone

Brickform 800-483-9628

Altamar Decorative Concrete 800-443-2627

Decorative Concrete Resources 866-792-9009

Increte Systems 800-752-4626

L.M. Scofield Co. 800-800-9900

Prism Pigments 888-440-4250

Proline Concrete Tools 800-795-4750

Vexcon Chemicals 888-839-2661

**c. Construction.** Construct a test section, consisting of at least 25 square feet, for approval by the Engineer for color, texture, finish details and workmanship. Seal the surface of the test section and include one saw-cut joint and one sealed joint.

Construct concrete sidewalk in accordance with section 803 of the Standard Specifications for Construction and as recommended by the manufacturer. Place concrete and screed to the specified grade. Float and finish the surface as shown on the plans.

Do not clean the surface until adequate curing has been obtained, as recommended by the manufacturer.

Construct all joints in accordance with section 803 of the Standard Specifications for Construction following the joint patterns illustrated on the plans and details, or as directed by the Engineer. Seal all expansion joints with color-matched joint sealant, as recommended by the manufacturer. Apply two coats of low-luster, matte finish clear surface sealer to the finished decorative concrete as recommended by the manufacturer.

Take steps to avoid the contamination of adjacent surfaces while placing and finishing colored concrete; clean all surfaces that do get contaminated. Ensure areas that were not properly protected and/or cannot be cleaned to the satisfaction of the Engineer are removed and replaced. All costs associated with this removal and replacement will be borne by the Contractor.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

**Pay Item Pay Unit**

Sidewalk, Conc, \_\_ inch, Colored Square Foot

**Sidewalk, Conc, \_\_ inch, Colored** will be measured by the area of the concrete surface, in place.

Demolition and removal of the test section, if necessary, will be at the Contractor’s expense.

The initial test section will be included in the quantity for **Sidewalk, Conc, \_\_ inch, Colored**. All costs associated with constructing additional test sections will be borne by the Contractor.