

SECTION 02700

STATION PLATFORMS, SIDEWALKS, CURBS AND GUTTERS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Section includes requirements for cast-in-place concrete station platforms, sidewalks, curbs, and gutters.

1.02 REFERENCE STANDARDS

- A. Standard Specifications for Public Works Construction (SSPWC):
 - 1. Section 201 Concrete, Mortar, and Related Materials
 - 2. Section 303-5 Concrete Curbs, Walks, Gutters, Cross Gutters, Alley Intersections, Access Ramps, and Driveways
- B. State of California, Department of Transportation, Standard Specifications (Caltrans):
 - 1. Section 51 Concrete Structures
 - 2. Section 90 Portland Cement Concrete

1.03 SUBMITTALS

- A. Submit concrete mix designs as specified under Section 03300, Cast-in-Place Concrete.
- B. For station platforms, comply with the submittal requirements specified in Section 03200, Concrete Reinforcing, Section 03300, Cast-In-Place Concrete, and Section 03160, Colored Concrete.

1.04 DELIVERABLES

- A. For station platforms, comply with the deliverable requirements specified in Section 03200, Concrete Reinforcing and Section 03300, Cast-In-Place Concrete.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Sidewalks, Curbs, and Gutters: Materials shall be as specified in SSPWC, Section 201, and as otherwise specified herein.
- B. Station Platforms: Materials shall be as specified in Section 03300, Cast-in-Place Concrete, including polypropylene fibers. Concrete shall be integrally colored in accordance with Section 03160, Colored Concrete. Color shall match Quality Concrete Integral Color "Satin Gray", unless otherwise indicated in the Contract Documents.

- C. Type A Joint Seal Material: As specified in Caltrans Standard Specifications, Section 51-1.12F, Sealed Joints, with the following exception: If two (2) part polyurethane sealant is proposed, it shall be the type specified in Section 51-1.12F or equal.
- D. Joint Sealant for Station Platforms: Joint sealants shall be type specified in Section 07920, Joint Sealants. Provide in color to match colored concrete.
- E. Moisture Barrier for Contact Joints: Curing compound, conforming to requirements in Caltrans Standard Specifications, Section 90-7.01B.
- F. Formwork: As specified in SSPWC, Section 303-5, except as otherwise required by the jurisdictional authority.
- G. Reinforcing: Refer to Section 03200, Concrete Reinforcement, for reinforcement of station platforms and concrete pavement, as applicable.

PART 3 - EXECUTION

3.01 GENERAL

- A. Construct in accordance with SSPWC, Section 303-5, except as otherwise required by the jurisdictional authority and as otherwise specified herein.
- B. Construct station platforms as specified in Section 03160, Colored Concrete.

3.02 SUBGRADE

- A. Perform in accordance with the requirements of Section 02300, Earthwork, and the following:
 - 1. Immediately prior to placing concrete, subgrade to receive pavement shall conform to compaction and elevation tolerances specified for the material involved.
 - 2. Construct true to grade and cross sections, thoroughly water and roll, or hand tamp until hard and solid. Remove soft, spongy or other unsuitable material to provide stable subgrade at least 6 inches below required subgrade elevation. Deposit approved fill material in low areas, compact thoroughly and grade to required finish subgrade elevation.
 - 3. Subgrade shall be uniformly moist, and any excess water standing in pools or flowing on the surface shall be removed prior to placing concrete.
- B. Provide templates for testing grade and cross section of subgrade. Extend template full width between forms and support on side forms.

3.03 CONTACT JOINTS

- A. Contact joints are those made by placing fresh concrete against hardened concrete. Apply moisture barrier to the face of contact joint and allow to dry prior to placing fresh concrete against that joint face.

3.04 CURB CONSTRUCTION

- A. Construct top and face of the finished curb true and straight. Construct top surface of curbs a uniform width, free from humps, sags, or other irregularities. When a straightedge 10 feet long is laid on the top face of the curb or on the surface of gutters, the surface shall not vary more than 1/8 inches from the edge of the straightedge, except at grade changes or curves.

END OF SECTION