

SECTION 615
SIDEWALKS, DRIVE PADS, AND PAVED MEDIANS

615.01 **DESCRIPTION** - Revise this subsection to read as follows:

This work consists of constructing concrete sidewalks, median and ramp on a prepared surface where located on the plans. Sidewalk construction includes curb ramps, median and the installation of ADA compliant detectable warning surface tile.

615.02 **MATERIAL** – Conform to the following sections and subsections:

- a. **Bed Course** – Bed course material shall be new coral base course conforming to subsection SCR 301.02.B.
- b. **Concrete** – Material for concrete, reinforcing steel, formwork, curing material, sealants, fillers, seals, sleeves, and expansion/contraction joints shall conform with Section SCR 601.

Add the following material to this subsection

- a. **Detectable Warning Surface Tile** – Tactile/detectable warning surface tile shall comply with the Detectable Warnings on Walking Surfaces Section of the Americans with Disabilities Act, Title 49 CFR Transportation, Part 37.9 Standards for Accessible Transportation Facilities, Appendix A, Section 4.29.2 Detectable Warnings on Walking Surfaces.
- b. **Vitrified Polymer Composite (VPC) Surface Applied Tiles** shall be an epoxy polymer composition with an ultra violet stabilized coating employing aluminum oxide particles in the truncated domes. The tile shall incorporate an in-line dome pattern of truncated domes 0.2” in height, 0.9” diameter at the base, and 0.4” diameter at top of dome spaced 2.35” nominal as measured on a diagonal and 1.70” nominal as measured side by side. For wheelchair safety, the field area shall consist of a non-slip surface with a minimum of 40-90 degree raised points 0.045” high, per square inch.
- c. **Subbase Course and Backfill** – Material for subbase course and backfill shall be new coral aggregate sub-base course conforming to subsection SCR 301.02.A.

CONSTRUCTION REQUIREMENTS

615.03 **GENERAL** – Revise the text of this subsection to read as follows:

Perform excavation and backfill work under Section SCR 209. Place aggregate subbase course and coral base bed course in layers not exceeding 8 inches in compacted thickness until meeting the required thickness indicated on the plans. Compact each layer of course material with a mechanical tamper, roller, or vibratory system to not less than 95 percent of its maximum dry density. Check field in-place density as specified in Section SCR 209.

615.04 **CONCRETE SIDEWALKS, DRIVE PADS, AND MEDIANS** – Revise the text of this subsection to read as follows:

Perform the work according to Section SCR 601. Use forms that extend for the full depth of the concrete.

a. Joints – Construct joints perpendicular to the outside slab edges and other joints. Match the joints in adjacent curb or pavements. Tool and remove all free mortar and concrete from joints.

1) Expansion Joints – Revise the text of this subsection to read as follows:

Construct expansion joints at intervals not exceeding 5 feet. Construct the joint using a saw cut to a depth of 1 inch and about 0.125 inches wide.

2) Contraction Joints – Revise the text of this subsection to read as follows:

Construct contraction joints at intervals not exceeding 5 feet. Construct the joint using a saw cut to a depth of 1 inch and about 0.125 inches wide.

3) Construction Joints – Form construction joints around all appurtenances such as manholes, concrete curbs, utility poles, buildings, and bridges. Use 0.50-inch-thick preformed expansion joint filler for the full length of the sidewalk.

b. Finishes – Revise the text of this subsection to read as follows:

Provide a sidewalk finish as indicated on the plans. Tool edge the outside edges of the slab and all joints with a 0.25-inch radius edging tool.

1) Sidewalk Finish – Strike off the surface using a strike board and then float the surface. Use the edging tool on edges and expansion joints. While the concrete is plastic, correct porous spots, irregularities, depressions, small pockets, and rough spots. Groove contraction joints using an approved grooving tool.

Cure the concrete for at least 72 hours. Protect the work from pedestrian traffic for 72 hours and from vehicular traffic for 14 days.

Install Tactile/Detectable Warning Surface Tile at the locations as indicated on the plans per manufacturer's specifications.

615.07

ACCEPTANCE – Revise the text of this subsection to read as follows:

See Section SCR 209 for Sampling and Testing Requirements for Bed Course and Backfill material.

a. Excavation and backfill will be evaluated under Section SCR 209.

b. Bed course and subbase course material will be evaluated under Section SCR 106.02 and 106.04.

c. Concrete and materials for concrete including reinforcing steel, formwork, curing material, and joint filler will be evaluated under Section SCR 601.

d. Construction of concrete sidewalks, drive pads, ramp and medians will be evaluated under subsections SCR 106.02 and 106.04.

615.08 **MEASUREMENT** - Revise the text of this subsection to read as follows:

Measure the Section SCR 615 items listed in the Bid Schedule according to subsection SCR 109.02.

- a. Measure concrete sidewalk, median and ramp by the square yard including excavation and backfill works, bed course, compaction, in-place density test, reinforcement and concrete construction and finishing works.
- b. Measure Tactile/Detectable Warning Surface Tile (ADA compliant) by the each, including surface preparation, adhesive, and installation.

615.09 **PAYMENT** - Revise this subsection to read as:

The accepted quantities will be paid at the contract price per unit of measurement for the Section 615 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Payment will be made under:

Pay Item No.	Pay Item	Pay Unit
61501(A)	Concrete Sidewalk, variable width, including Base preparation, complete-in-place	Square Yard
61501(B)	Concrete Sidewalk, 10 feet wide, including Base preparation, complete-in-place	Square Yard
61503	Concrete Median 6-inch high, including curb And base preparation, complete-in-place	Square Yard
61504	Concrete Ramp, with reinforcement, including Base preparation, complete-in-place	Square Yard
61509	Tact Tile detectable warning device, ADA, (2 feet x 4 feet), complete-in-place	Each

END OF SECTION 615