



## SECTION 608

### CONCRETE MEDIAN, MEDIAN STRIP, SIDEWALK, CURB RAMPS, STEPS AND PAVED APPROACHES

**608.1 Description.** This work shall consist of constructing concrete medians, median strips, sidewalks, curb ramps, steps and paved approaches as shown on the plans or as directed by the engineer. Concrete medians shall consist of a paved median constructed on a prepared subgrade. Concrete median strips shall consist of paved median strips laid over and tied to a previously constructed pavement.

**608.2 Material.** All material shall be in accordance with Division 1000, Material Details, and specifically as follows:

Item	Section
Reinforcing Steel for Concrete Structures	1036
Steel Wire Fabric for Concrete Pavement	1036
Epoxy Resin Material	1039
Red Concrete Tinting Material	1056
Material for Joints	1057
Truncated Domes	1067

**608.2.1** Concrete sidewalks, curb ramps, and steps shall be constructed of Class B concrete.

**608.2.2** Concrete medians, median strips and paved approaches 6 inches (150 mm) thick or greater shall be constructed of Pavement concrete. Concrete medians, median strips and paved approaches less than 6 inches (150 mm) thick shall be constructed of either Class B concrete or Pavement concrete.

**608.2.3** Material, proportioning, air entraining, mixing, slump and transporting of concrete shall be in accordance with [Sec 501](#).

#### **608.3 Construction Requirements.**

**608.3.1** Placement, finishing and curing of concrete shall be in accordance with [Secs 502](#) and [703](#). When items are constructed on a subgrade, the subgrade shall be compacted to the specified density of the applicable subgrade material in accordance with [Sec 209](#). The subgrade shall have a sufficient moisture content such that moisture is not drawn out of the concrete. Transparent membrane shall be used in lieu of pigmented membrane for curing concrete median strips, sidewalks, curb ramps and steps.

**608.3.2** Where tinted concrete is specified, the colored pigment shall be applied in accordance with the manufacturer's recommendations. The final concrete surface coloration shall be medium to dark red, as approved by the engineer. If membrane curing is allowed by the manufacturer's recommendations, the membrane shall be a clear or transparent type.

**608.3.3** Required reinforcement and tie bars shall be positioned by bar chairs or other approved devices during the placing of concrete.

**608.3.4** Concrete median strips shall be attached to the pavement with tie bars as shown on the plans. Tie bars shall be adjusted to a minimum of 6 inches (150 mm) from any transverse joint.

**608.3.5** Joints for all items shall be constructed at such intervals and locations as shown on the plans or as directed by the engineer.

**608.3.5.1** Longitudinal joints between the median and curb, or median and adjacent concrete pavement shall be constructed of either non-extruding preformed joint material, or one layer of commercially available 55-pound (2666 g/m<sup>2</sup>) roll roofing. Sawed joints shall be sealed in accordance with [Sec 502.5.4](#).

**608.3.5.2** Transverse joints in concrete median strips shall be constructed as shown on the plans and as directed by the engineer.

**608.3.6** After form removal, the area adjacent to the concrete shall be backfilled with suitable material, compacted and finished to the satisfaction of the engineer.

**608.3.7** During cold weather, the limitations and protection in accordance with [Secs 502.4.1](#) and [502.4.2](#) will apply to this work.

**608.3.8** Transitions from curb ramps to sidewalks, gutters or streets shall be flush and free of abrupt changes. All curb ramps shall include truncated domes that contrast visually with the adjoining surface light on dark or dark on light..

#### **608.4 Method of Measurement.**

**608.4.1** Measurement of concrete median and of concrete median strip will be made to the nearest 1/10 square yard (0.1 m<sup>2</sup>).

**608.4.2** Concrete sidewalk and curb ramps will be measured to the nearest 1/10 square yard (0.1 m<sup>2</sup>).

**608.4.3** Truncated domes will be measured to the nearest 0.5 square foot (0.05 m<sup>2</sup>).

**608.4.4** Paved approaches will be measured from the beginning of the return on one side of the approach to the end of the return on the other side of the approach, to the nearest 1/10 square yard (0.1 m<sup>2</sup>). Integral curb constructed on paved approaches will not be measured or paid for separately but will be included in the contract unit price for paved approaches.

**608.4.5** Final measurement of any of the above items will not be made except for authorized changes during construction, or where appreciable errors are found in the contract quantity. The revision or correction will be computed and added to or deducted from the contract quantity for that item.

#### **608.5 Basis of Payment.**

**608.5.1** The accepted quantities of concrete median, median strip, sidewalk curb ramps, truncated domes and paved approach, complete in place, will be paid for at the contract unit price for each of the pay items included in the contract.

**608.5.2** The accepted quantities of concrete steps will be paid for in the following manner:

(a) Class B concrete will be paid for in accordance with [Sec 703](#) for miscellaneous concrete.

(b) Reinforcing steel will be paid for in accordance with [Sec 706](#).

**608.5.3** No direct payment will be made for the following:

(a) Furnishing or installing reinforcement.

(b) Any incidental work required for furnishing and installing tie bars.

(c) Excavating or preparing the subgrade for any item contained in this specification.

(d) Tinting of concrete surface as required in the plans.

(e) Vertical curbs or flares constructed as part of the curb ramp or landing.