

SECTION 1052—METAL CURB DRAIN

1052.1 DESCRIPTION—This work is construction of an aluminum or steel drain facility to dispose of bridge deck drainage by free drop through curb barrier.

1052.2 MATERIAL—

- (a) **Aluminum.** [ASTM B 308/B 308M](#), Alloy 6061-T6. Certify as specified in [Section 106.03\(b\)3](#).
- (b) **Structural Steel.** [Section 1105.02\(a\)2](#)
- (c) **Coating Compound, Bituminous Solvent Type, Mineral Filled and Aluminum Pigmented.** Bulletin 26. Certify as specified in [Section 106.03\(b\)3](#).
- (d) **Galvanizing.** [Section 1105.02\(s\)](#)

1052.3 CONSTRUCTION—

- (a) **General.** Fabricate the drain from either C203 x 6.3 (C8 by 4.25) aluminum channels, or C200 x 17 (C8 by 11.5) steel channels, welded together with full penetration welds to form a rectangular section. Alternatively, fabricate a rectangular section, 200 mm x 110 mm (8 inches by 4 1/2 inches) out of 5 mm (3/16-inch) steel plates.
- (b) **Aluminum Drain.** Coat all surfaces of the drain to be in contact with concrete with two coats of bituminous solvent type coating compound.
- (c) **Steel Drain.** Galvanize the entire drain after welding according to [ASTM A 123](#).

1052.4 MEASUREMENT AND PAYMENT—Metal curb drain is incidental to other structure items of work.