

SECTION 529 ALUMINUM COATED CORRUGATED STEEL PIPE CULVERTS

529.1 Description

- (1) This section describes furnishing and installing aluminum coated corrugated steel culvert pipe and pipe arch.

529.2 Materials

- (1) Furnish aluminum coated corrugated steel culvert pipe and pipe arch conforming to AASHTO M 36 and the plans. Fabricate from type 2 aluminum coated sheet steel conforming to AASHTO M 274.
- (2) If the contract requires apron endwalls, use steel apron endwalls, sloped steel endwalls for cross drains, or sloped steel apron endwalls conforming to 521.2.4.

529.3 Construction

- (1) Construct as specified in 520.3 for pipe culverts.
- (2) Repair damaged aluminum coating by blast cleaning, power sanding, or wire brushing the damaged and surrounding areas. Apply zinc-rich paint to the cleaned area within 24 hours and before rusting or soiling occurs, to a minimum thickness of 5 mils (0.13 mm).

529.4 Measurement

- (1) The department will measure the Culvert Pipe Corrugated Steel Aluminum Coated and Pipe Arch Corrugated Steel Aluminum Coated bid items acceptably completed as specified in 520.4 for pipe culverts.

529.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
529.0100 - 0299	Culvert Pipe Corrugated Steel Aluminum Coated (size)	LF
529.0300 - 0499	Pipe Arch Corrugated Steel Aluminum Coated (size)	LF

- (2) Payment for the Culvert Pipe Corrugated Steel Aluminum Coated and Pipe Arch Corrugated Steel Aluminum Coated bid items is full compensation for providing, hauling, and placing the pipe or pipe arch, including bands; for all excavating, including foundation or bed; and any associated dewatering; for providing and placing granular backfill or graded aggregate for granular foundation or cushion; for backfilling unless granular backfill is specified; for maintaining temporary drainage; and for replacing damaged installations. The department will pay separately for cast-in-place concrete and alternate endwall installations under the Concrete Masonry Endwalls bid item as specified in 504.5 and other associated bid items.
- (3) The department will pay for backfilling with granular backfill as specified in 520.5.
- (4) The department pay separately for steel apron endwalls, sloped steel endwalls for cross drains, or sloped steel apron endwalls under the appropriate bid items provided in section 521.