SECTION 525 CORRUGATED ALUMINUM PIPE CULVERTS

525.1 Description

(1) This section describes providing corrugated aluminum culvert pipe and aluminum or steel apron endwalls.

525.2 Materials

525.2.1 Corrugated Aluminum Pipe

(1) Conform to AASHTO M196, and the dimensions the plans show.

525.2.2 Metal Apron Endwalls

(1) Furnish aluminum apron endwalls conforming to 525.2.1 and steel apron end walls conforming to 521.2.

525.3 Construction

(1) Construct as specified in 520.3 for pipe culverts. Use the material the bid item indicates for apron endwalls.

(2) If steel apron endwalls come attached to the corrugated aluminum pipe, install a suitable insulating material approximately 1/16 inch thick between the pipe and the endwall at the joint. The contractor may use one or more of the following:

- Asphalt impregnated fabric.
- A sheet plastic.
- A rubber gasket.
- Other non-degradable material of substantial strength.

525.4 Measurement

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

(2) The department will measure the Apron Endwalls for Aluminum Culvert Pipe bid items as each individual unit acceptably completed..

525.5 Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
525.0100 - 0299	Culvert Pipe Corrugated Aluminum (size)	LF
525.0300 - 0399	Aluminum Apron Endwalls for Aluminum Culvert Pipe (size)	EACH
525.0400 - 0499	Steel Apron Endwalls for Aluminum Culvert Pipe (size)	EACH

(2) Payment for the Culvert Pipe Corrugated Aluminum bid items is full compensation for providing, hauling, and placing the pipe, 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) Payment for the Apron Endwalls for Aluminum Culvert Pipe bid items is full compensation for providing, transporting, and installing the apron endwalls, including bands or connectors and gaskets if required.

(4) The department will pay for backfilling with granular backfill as specified in 520.5.