

## 734 - STRUCTURAL PLATE STRUCTURES

### SECTION 734

#### STRUCTURAL PLATE STRUCTURES

##### 734.1 DESCRIPTION

Assemble and install the size and type of structural plate structure specified in the Contract Documents.

##### BID ITEMS

- (\*) Structural Plate Pipe (\*\*) (\*\*\*)
- (\*) Structural Plate Pipe Arch (\*\*) (\*\*\*)
- (\*) Structural Plate Arch (\*\*) (\*\*\*)

\*Size, diameter or span and height

\*\*Gauge

\*\*\*Asphalt Coated

##### UNITS

Linear Foot

Linear Foot

Linear Foot

##### 734.2 MATERIALS

Provide structural plate for pipe, pipe arches and arches that comply with **DIVISION 1900**.

##### 734.3 CONSTRUCTION REQUIREMENTS

Submit the design to the Engineer for approval, before installing any structural plate structure.

If the Contract Documents require a concrete footing, construct the footing according to **DIVISION 700**.

Excavate for and form the bed for the structural plate structures according to **DIVISION 200**. If placing 2 or more structural plate structures adjacent to each other, separate them by a distance equal to  $\frac{1}{2}$  the diameter of the pipe for structural plate pipe, and by a distance of 2 feet for structural plate pipe arch.

Do not damage the plates during assembly and erection. Replace plates that are damaged during shipping or assembly. Repair any damaged coating after erection

Assemble the structural plate structure true to the dimensions shown in the Contract Documents, with all connections tight. When required by the Contract Documents, provide and erect strutting within the structure during construction, leaving it in place until the structure is backfilled.

Backfill the structure according to **DIVISION 200**.

##### 734.4 MEASUREMENT AND PAYMENT

The Engineer will measure structural plate structure by the linear foot, along the centerline of the structure. The Engineer will measure structural plate structures with vertical ends from end to end. The Engineer will measure structural plate structures with sloping ends from the center point of the slope on one end to the center point of the slope on the opposite end.

Payment for the "Structural Plate Pipe", "Structural Plate Pipe Arch" and "Structural Plate Arch" at the contract unit prices is full compensation for the specified work.