

**816 - ADJUSTMENT OF INLETS, MANHOLES & OTHER EXISTING STRUCTURES**

**SECTION 816**

**ADJUSTMENT OF INLETS, MANHOLES AND OTHER EXISTING STRUCTURES**

**816.1 DESCRIPTION**

Adjust inlets, manholes and other existing structures as shown in the Contract Documents.

<u>BID ITEMS</u>	<u>UNITS</u>
Adjustment of Catch Basins	Each
Adjustment of Curb Inlets	Each
Adjustment of Manholes	Each
Adjustment of Manholes (Set Price)	Each
Structural Steel	Pound
Cast Steel	Pound
Cast Iron	Pound
Adjustment of Meter Box (*)	Each
Adjustment of Valve Box (*)	Each
Adjustment of Existing Structures	Lump Sum
* Type	

**816.2 MATERIALS**

Provide materials that comply with the applicable requirements.

Concrete and Mortar .....	<b>SECTIONS 401 &amp; 402</b>
Aggregates for Concrete Not On Grade .....	<b>SECTION 1102</b>
Reinforcing Steel .....	<b>DIVISION 1600</b>
Gray Iron Castings .....	<b>DIVISION 1600</b>
Steel Castings .....	<b>DIVISION 1600</b>
Structural Steel .....	<b>DIVISION 1600</b>
Brick .....	<b>DIVISION 1300</b>
Existing Structures .....	<b>DIVISIONS 1000-2500</b>

**816.3 CONSTRUCTION REQUIREMENTS**

Carefully remove and reinstall or store structural steel or cast fixtures for future use by the owners as shown in the Contract Documents. If the height of brick walls is increased, the addition may be of brick, masonry units or Grade 3.0 concrete, unless shown otherwise in the Contract Documents. Masonry brick salvaged from the project and in good condition may be used to increase the height of the walls. If no bricks are salvaged, provide new brick or concrete blocks. Place masonry, concrete and castings according to **DIVISION 800**.

Adjust existing manholes by raising the frame to the desired grade using adjustable metal extension rings. Use adjusting rings of an approved type and rigidly secure to the existing frame by approved methods. Make the adjustment at any one location by using a maximum of 2 adjustment rings.

Salvage existing manhole covers and reuse in the adjustment.

Use methods for the adjustment of meter or valve boxes according to the requirements of the utility company involved.

Adjust existing structures as shown in the Contract Documents. If the existing structure is damaged during the adjustment operations, replace any damaged materials with new materials matching the originals.

**816.4 MEASUREMENT AND PAYMENT**

The Engineer will measure each adjustment of catch basin, inlet, manhole, meter box and valve box.

The Engineer will measure structural steel, cast steel and cast iron by the pound as provided in **DIVISION**

**700.**

The Engineer will measure the adjustment of existing structures by the lump sum.

Payment for "Adjustment of Catch Basins", "Adjustment of Curb Inlets", "Adjustment of Manholes", "Structural Steel", "Cast Steel", "Cast Iron" "Adjustment of Meter Box (\*)", "Adjustment of Valve Box (\*)" and "Adjustment of Existing Structures" at the contract unit prices and "Adjustment of Manholes" at the contract set price is full compensation for the specified work.