

**ITEM 022400**

**Item 0224001 - CAST IRON HANDHOLE FRAME AND COVER**

**Item 0224002 - CAST IRON HANDHOLE COVER**

**DESCRIPTION**

This item shall consist of furnishing and installing a Cast Iron Handhole Frame and Cover or a Cast Iron Handhole Cover on a Concrete Handhole Type I or Type II, as shown on the plans or as directed by the Engineer. This type of cover shall be installed on concrete handholes installed in areas of heavy vehicular traffic such as roads and parking lots.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for cast iron covers in accordance with the contract general requirements.

**MATERIALS**

The material for this work shall be cast iron, heavy duty, suitable for H-20 loading. The cast iron shall conform to the requirements of AASHTO M105-96 Class 25.

**CONSTRUCTION METHODS**

The cast iron handhole cover shall be sized to fit on the concrete handhole Type I (760mm X 760mm) or Concrete Handhole Type II (760mm X 355mm) on the handhole as shown on the plans. The frame for the cast iron handhole cover shall be held in place on top of the concrete handhole with a concrete grout. The cast iron cover shall be flush with the surrounding sidewalk or pavement.

**METHOD OF MEASUREMENT**

Each cast iron handhole cover and/or cast iron frame and cover shall be measured for payment as a unit, complete and accepted in place.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price each for "CAST IRON HANDHOLE FRAME AND COVER", "CAST IRON HANDHOLE COVER" of the size specified completed in place, which price shall include all materials, excavation, backfilling, replacement of sidewalk, replacement of pavement, necessary hardware, locking device, all equipment, tools and labor incidentals thereto.

| <b><u>PAY ITEM</u></b> | <b><u>DESCRIPTION</u></b>          | <b><u>PAY UNIT</u></b> |
|------------------------|------------------------------------|------------------------|
| 0224001                | Cast Iron Handhole Frame and Cover | EA                     |
| 0224002                | Cast Iron Handhole Cover           | EA                     |