

**ITEM 0270501**

**CAMERA BRACKET**

**DESCRIPTION**

Work under this item shall consist of furnishing and installing a camera mounting bracket for the camera installation on existing poles at the location and to the dimensions and details shown on plans or as directed by the Engineer and in conformity with these specifications.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Shop Drawings:

Submit 5 copies of shop drawings for the camera bracket and all mounting hardware in accordance with these specifications and the contract general requirements.

**MATERIALS**

The pipe shall be constructed of ASTM-A501 steel and the bracket shall be finished with H.D. Galvanized to ASTM-A123 standards. The hardware shall be finished with H.D. Galvanized to ASTM-153 standard. The bracket shall be mounted to the pole by means of a heavy duty type double galvanized clamp to withstand 100 mph wind conditions with 20 LB load and the surface area of an 9" spherical dome attached to the bracket. The Contractor shall verify the clamp size in the field for existing poles and with the manufacturer's shop drawings for new poles. If shown on the plans or at the direction of the Engineer, the bracket shall be painted. The camera pole mounting bracket and all hardware shall be painted according to:

1. Tnemec process Series 530, Omnithane, or approved equal
2. Tnemec process Series 23, Enduratone, or approved equal

Color of the finished product shall be BLACK or as approved by the Engineer.

**CONSTRUCTION METHODS**

The camera supporting brackets shall be erected perpendicular to the center line of the roadway. The mounting height shall be a nominal 38 feet measured from the

tip of the bracket to the pavement directly below.

After the installation of the bracket and the camera dome, the pole shall be raked or the bracket shall be bent with a hydraulic pipe bender to achieve a plumb mount for the camera dome from all directions so it is vertically aligned. All the joints of the conduit box and the dome at the end of camera bracket shall be sealed with a silicone caulk or with a recommended sealant by the dome manufacturer.

**METHOD OF PAYMENT**

This work will be measured for payment by the total number of brackets completed and accepted in place.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price each for "Camera Bracket," which price shall include all materials, miscellaneous hardware, labor, alignment of pole and/or camera bracket to achieve a true vertical plumb of camera, tools and work incidental thereto.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0270501	Camera Bracket	EA