

**DESCRIPTION**

Under this item the CONTRACTOR shall furnish and install one (1) flood monitoring plate on the bridge.

**MATERIALS**

The material requirements for the three (3) integral parts of the flood monitoring plate are:

**BRONZE PLATE**

The bronze plate shall conform to the requirements listed herein. The size of the plate shall be 1/4" thick by 6 3/4" wide by 6 3/4" high. The plate shall have four (4) 3/8" dia. holes for mounting located as shown on the Contract Plans.

**NUMBERS AND LETTERING**

The required numbers and lettering shall have heights as indicated on the detail in the Contract Plans. All numbers and lettering are to have a depth of 1/8" above the bronze plate. Numbers and lettering are to be cast at the same time the plate is poured. All numbers and lettering shall be centered about the vertical centerline of the plate.

**EXPANSION ANCHORS**

1/4" diameter x 1 1/2" long stainless steel nail drive expansion anchors meeting GSA Specification FF-S-325 #3.2.5.2 shall be used to attach the plate to concrete and masonry surfaces at the four corners of the plate.

**INSTALLATION LOCATION**

The flood monitoring plate shall be attached on top of bridge midspan between the bridge rail posts, closest to the fascia, as shown on the plan, using the expansion anchors. The exact positioning of the flood monitoring plate will be determined by the ENGINEER. The flood monitoring plate "Top Of Plate" elevation shall be field verified prior to installing the plate. This field verification work shall conform to the requirements of New York State Standard Specification 634.01, Survey and Stakeout, latest revision, with exception to the following modification: the measurements shall be performed by or under the direction of an L.S. or exempt P.E. to a required accuracy of one part in one hundredth. After installation of the plate, this elevation shall be stamped into the blank raised pad on the plate, with numbers no smaller than 1/2".

**METHOD OF MEASUREMENT**

Payment for flood monitoring plate shall be made on a per unit basis.

**ITEM C653.01            FLOOD MONITORING PLATE**

**BASIS OF PAYMENT**

The price bid for each plate shall include the cost of furnishing all labor, material, and equipment necessary to satisfactorily complete the work.

Payment will be made under:

| <b><u>Item No.</u></b> | <b><u>Item</u></b>     | <b><u>Pay Unit</u></b> |
|------------------------|------------------------|------------------------|
| C653.01                | Flood Monitoring Plate | EA                     |