

## **ITEM 567.3101--25 - ARMORED JOINT REPAIR**

### **1. DESCRIPTION:**

- 1.01 The work shall consist of repairing the damaged or missing angle in the armored joint systems as indicated on the plans. The work shall include cutting and removal of the damaged angle; welding studs to the replacement angle or plate; and field welding the replacement angle or plate to the existing armored angle.
- 1.02 The work shall be performed in conjunction with the concrete repair and the sealing of existing armored joints. This work shall be performed and completed during the limited duration roadway lane closure based on the lane closure chart.

### **2. MATERIALS:**

- 2.01 Materials shall conform to the requirements of Section 567-2 of the Standard Specifications, covering Armored Joint Systems.

### **3. CONSTRUCTION DETAILS:**

- 3.01 **Repair Procedure:** The Contractor shall prepare a procedure for the repair of the armored joint. The procedure shall include the necessary steps for replacing angle within the allotted roadway lane closure.
- 3.02 **Field Welding:** The repair angle shall be field welded in accordance to the requirements of the New York Steel Construction Manual.
- 3.03 **Concrete Header Repair:** The removal of the existing concrete will be required for the replacement of the angle for the armored joint. The removal of the existing concrete will be performed in conjunction with the repair of the armored joint. The Contractor shall coordinate the armored joint repair work with the concrete replacement.

### **4. METHOD OF MEASUREMENT:**

- 4.01 Measurement will be made as the number of linear feet of armor angle satisfactorily removed and replaced, measured horizontally and vertically along the centerline of the joint system, as indicated in the plans, or ordered by the Engineer.

### **5. BASIS OF PAYMENT:**

- 5.01 The unit price bid per linear foot shall include all labor, materials and equipment necessary to satisfactorily complete the work.
- 5.02 The repair of the surrounding concrete and installation of the joint seal will be paid for under a separate item.