

## **ITEM 16563.25 M - REMOVE SHEAR KEY MATERIAL, INSTALL NEW MATERIAL**

### **DESCRIPTION:**

The work shall consist of removing existing shear key material and filling the resulting voids with new material.

### **MATERIAL:**

All equipment and procedures proposed for use shall be approved by the Engineer prior to the beginning of any work. All work done before the Engineer has rendered approval shall be at the Contractor's sole risk. Shear key material shall meet the NYSDOT Standard Specifications, Section 701-06 - Cement Based Grout Materials for Shear Keys.

### **CONSTRUCTION DETAILS:**

The shear keys shall be cleaned of all existing shear key material.

The Contractor may, if required by the approved removal procedure, cut into the prestressed unit concrete. Cuts greater than six (6 mm) deep will be designated as damage and will be repaired in a manner satisfactory to the Engineer. If the Engineer determines that the damage is of severity sufficient to consider unit replacement, the D.C. E. S., shall be immediately notified to render a final decision. All repair, or replacement work shall be done at no additional cost.

After shear key material removal has been completed, all shear keys shall be vacuum cleaned, or air blown by means of oil free compressed air. No loose, or unbonded material of any nature will be permitted to remain in the keyways.

All shear keys shall be filled in accordance with the requirements of the PCCM, Part 730.5. The requirements for tie rod placement and tightening shall not apply.

### **METHOD OF MEASUREMENT:**

The work will be measured as the number of linear meters of shear keys filled with new material. Measurement will be taken along the centerline of keyway.

### **BASIS OF PAYMENT:**

The unit price bid per linear meter shall include the cost of all labor, materials and equipment necessary to complete the work