

ITEM 11606.3699 M - REPAIR, REPLACE AND RESET STEEL CONTINUITY PLATE ASSEMBLY

DESCRIPTION:

Under this item, the Contractor shall repair, and/or replace and reset continuity plate assemblies in concrete barriers as detailed on the work orders, or ordered by the Engineer.

DEFINITION:

Continuity plate assemblies consist of one or two plates, the angles to which they are attached, and the necessary fasteners. In the case where there are continuity plate assemblies on both sides of a concrete barrier, they shall be considered as two separate assemblies.

MATERIALS:

Any replacement parts or complete assemblies shall conform to the requirements of Subsection 606-2 of the Standard Specifications.

CONSTRUCTION DETAILS:

The Contractor shall remove and repair the damaged continuity plates. Repairs may consist of straightening bent corners or distorted steel, welding cracks and stiffener plates, removal of broken bolts, retapping bolt holes, and field galvanizing.

Welding shall conform to the requirements of the "New York State Steel Construction Manual".

Continuity plates that in the opinion of the Engineer are too damaged to repair shall be replaced with a new one.

Gaps in the concrete barrier that are left overnight for one or two nights shall be delineated in a manner approved by the Engineer. Gaps that are left for longer periods shall be protected with two sections of W-beam guide rail, bolted to the concrete on both sides of the opening, with a minimum of four 13 mm diameter expansion bolts at each end. Flush mounted end sections shall be installed on the approach end of the guide rail according to the standard sheet M606-11 or approved by the Engineer.

METHOD OF MEASUREMENT:

This work will be measured by the number of steel continuity plate assemblies repaired, and/or replaced and reset, in accordance with work orders, specifications, and orders from the Engineer.

BASIS OF PAYMENT:

The unit price bid per steel continuity plate assembly repaired, replaced and reset shall include the cost of all labor, materials (other than replacement of steel Continuity plates) and equipment, including temporary protection, necessary to complete the work as shown on the work orders, and as directed by the Engineer.

The cost of materials for replacement steel continuity plates will be paid separately.