

ITEM 013380

Item 0133801 - (TYPE) END ANCHORAGE TYPE I

Item 0133802 - (TYPE) END ANCHORAGE TYPE II

Item 0133803 - ANCHOR IN (TYPE) SLOPE

DESCRIPTION

This work shall consist of installing metal beam rail end anchorages of the type shown on the plans or as ordered by the Engineer.

REFERENCED ITEMS

None

REQUIRED SUBMITTALS

Shop Drawings:

Submit 5 copies of shop drawings for anchors in accordance with the contract general requirements.

MATERIALS

The materials for this work shall conform to the requirements of The State of Connecticut, Department of Transportation, Standard Specifications For Roads, Bridges, and Incidental Construction, Form 816, 2004, Article M.10.

Non-shrink grout shall conform to the requirements of State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction Form 816, 2004, Subarticle M.03.01-12.

CONSTRUCTION METHODS

Anchorage, channels, rails, w-beam terminal elements, and fittings shall be installed as indicated on the plans. The excavated area for the anchorages shall be backfilled with suitable material and compacted in 6-inch layers. Any surplus material remaining after the completed installation shall be removed by the Contractor.

When the rail is anchored to rock, preparation of the rock including rock removal and the drilling of holes shall be sufficient to permit the placement of the bolts and the non-shrink grout, but shall not exceed twice the diameter of the bolts. The bolt holes shall be blown clean with an air jet prior to installing the bolts and the non-

shrink grout. Spalled areas behind the steel plate shall be filled with non-shrink grout.

The rail elements shall be lapped in the direction of traffic.

Before final erection, all galvanized elements which have been cut or worked so as to damage the zinc coating and cause the base metal to be exposed shall have the exposed base metal thoroughly cleaned and brush coated with zinc-rich touch-up material in conformance with Form 816, Article M.10.

METHOD OF MEASUREMENT

The number of end anchorages measured for payment shall be the actual number of end anchorages of each type installed and accepted in accordance with the “Pay Limit Anchorage” shown on the plans.

BASIS OF PAYMENT

“END ANCHORAGES” will be paid for at the Contract unit price each for the type of end anchorage, complete in place, which price shall include materials, excavation, backfilling, drilling and grouting, removal and disposal of surplus material, equipment, tools, and labor incidental to complete the installation.

Payment for rock removal required for “ANCHOR IN SLOPE”, shall be included in the cost of the item. Removal of rock or boulders encountered during excavation for other end anchorages and backfilling with suitable material will be paid for in accordance with other contract items unless expressly noted otherwise on the plans, or within the contract documents.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0133801	(Type) End Anchorage Type I	EA
0133802	(Type) End Anchorage Type II	EA
0133803	Anchor In (Type) Slope	EA