

**SPECIAL PROVISION**  
**SECTION 203**  
(Special Fill - Streambed Materials)

Description

This work consists of furnishing and placing Special Fill under, upstream, and/or downstream of a bridge to form a wildlife walking surface on the riprap benches beneath the bridge and to fill voids in the riprap slopes below the walking surface.

Materials

Special Fill is a mixture of Plain Riprap, Standard Specification 703.26 and Streambed Gravel as described below.

*Streambed Gravel* shall conform to the following gradation:

Sieve Designation	Percentage by Weight Passing Square Mesh Sieves
4 inch	100
2 inch	40 - 60
1/2 inch	15 - 35
No. 4	10 - 25
No. 200	0 - 5

Granular material excavated on-site in accordance with Special Provision Section 203, Excavation and Embankment (Dredge Materials) that meets or substantially meets the gradation above may be used as Streambed Gravel with the approval of the Resident.

Walking Surface Fill shall consist of a mixture of Special Fill and Erosion Control Mix (ECM) in the ratio 3 parts Special Fill : 1 part ECM.

Construction Requirements

Special Fill shall be placed in the dry.

A. Riprap Slope

Riprap placed on the lower embankments below the Walking Surface at elevation 122.00 and above elevation 120.00, shall be mixed with Special Fill so that voids are filled. The proportion of Special Fill to riprap will be based on the porosity (ratio of the voids to the

total volume of the riprap in an as-placed condition) of the riprap. This porosity value to be provided by the riprap supplier. For example, if the porosity is 0.4, then the mixture will be 4 parts Special Fill to 10 parts riprap.

B. Wildlife Walking Surface

Wildlife walking surfaces shall be created on the 4'-0" wide benches in the riprap slopes beneath the bridge.

Prior to placement of the Walking Surface, Special Fill shall be washed into the bench surface to fill voids. After the voids have been filled, the Walking Surface Fill shall be placed to a depth of 6-inches on the bench. The Walking Surface Fill shall be washed in for compaction and to fill voids. Additional Special Fill shall be added and washed in until a final finished thickness of 6-inches is achieved.

Method of Measurement

Payment for placement of excavated material to be used as Special Fill, and placement of Walking Surface Fill shall be considered incidental to the Riprap Pay Item.

Basis of Payment

All work associated with placing of the excavated material and Walking Surface Fill shall be incidental to the Riprap Pay Item.