

SECTION 69

BANK PROTECTION GABIONS

69.1 DESCRIPTION

A. General

This work consists of furnishing and installing open mesh wire baskets filled with rock.

B. Related Work

Section 65	Riprap
Section 66	Slope Protection
Section 68	Bank and Channel Protection Rock Filled Wire Baskets
Section 109	Riprap and Slope Materials
Section 125	Gabions

69.2 MATERIALS

A. Gabions shall conform to the requirements of Section 125.

B. Fill

The baskets shall be filled with approved stone ranging in size from a minimum of four (4) inches to a maximum of thirteen (13) inches, both measured in the greatest dimension. The stone shall meet the requirements specified in Section 68.

69.3 CONSTRUCTION REQUIREMENTS

Gabions shall be placed at the locations and as shown on the plans. Each gabion unit shall be assembled by binding together all vertical edges with twisted wire ties on approximately six (6) inch spacing or by a continuous piece of connecting wire stitched around the vertical edges with a coil about every four (4) inches. Hog rings will not be acceptable wire ties. Wire ties or connecting wire shall be used to join the units together in the same manner as described for assembling. Internal tie wires shall be uniformly spaced and securely fastened in each outside cell of the structure or where ordered by the Engineer. When gabions are being placed as slope protection, the cross-connecting wires may be deleted by the Engineer.

A standard fence stretcher, chain fall, or iron rod may be used to stretch the wire baskets and hold alignment.

The gabions shall be filled with stone carefully placed to assure alignment and avoid bulges with a minimum of voids. After the gabion has been filled, the lid shall be bent over until it meets the sides and edges. The lid shall then be secured to the sides, ends, and diaphragms, with the wire ties or connecting wire in the manner described for assembling.

69.4 METHOD OF MEASUREMENT

Bank Protection Gabions will be measured to the nearest even cubic yard. Computations will be based on the plan shown dimensions of the baskets.

69.5 BASIS OF PAYMENT

Bank Protection Gabions will be paid for at the contract unit price per cubic yard. Payment will be full compensation for materials, labor, equipment, and incidentals necessary.

END OF SECTION