

## **SECTION 907 -- GABIONS AND REVET MATTRESSES**

### **907.01 -- Description**

The Contractor shall furnish, assemble, tie, and fill with approved stones mesh wire baskets constructed and placed in conformity with the lines, grades, and dimensions shown in the plans.

### **907.02 -- Material Requirement**

Materials shall conform to the requirements of Section 1074.

### **907.03 -- Construction Methods**

1. The Contractor shall construct all gabion and revet mattress structures as shown in the plans.
2. All basket units shall be assembled by binding all adjacent vertical edges with basket connecting clips placed every 100 mm.
3. Empty units shall be set to line and grade as shown in the plans.
4. Connecting clips shall be used to join the units together in the same manner as described above for assembling.
5. Internal connecting wires shall be uniformly spaced and securely fastened in each outside cell of the structure or where ordered by the Engineer.
6. A fence stretcher, chain fall, or iron rod may be used to stretch the wire baskets and hold alignment.
7.
  - a. The baskets shall be filled with stone, carefully placed so that air void volume is minimized.
  - b. Hand placing of the rock-fill shall be required on the exposed faces of the units so that the rock fill appears to be uniformly stacked.
  - c. The ledge rock shall be placed on its natural face surface rather than on the edge face.
  - d. After a basket has been filled, the lid shall be bent over until it meets the sides and edges.
8. Each basket shall be overfilled approximately 50 mm above the sides before closing the lids. The lid shall then be secured to the sides, ends, and partitions with the connecting wire in the manner described above for assembling. Special attention shall be given to see that all projections or wire ends are turned into the baskets.
9. The Contractor shall also comply with all manufacturer installation requirements.

**907.04 -- Method of Measurement**

Gabions and revet mattresses shall be measured by the each.

**907.05 -- Basis of Payment**

- |    |                            |                 |
|----|----------------------------|-----------------|
| 1. | <u>Pay Item</u>            | <u>Pay Unit</u> |
|    | Gabion, Type _____         | Each (ea)       |
|    | Revet Mattress, Type _____ | Each (ea)       |
2. Payment is full compensation for all work prescribed in this Section.