

**SECTION 8.17**  
**GRANITE STONE CURBING FOR BRIDGES**

**8.17.01--Description:** This curbing shall consist of approved granite stone, furnished in accordance with the dimensions and details shown on the plans, or as ordered, and installed to the lines and grades given and in conformity with these specifications.

**8.17.02--Materials:** The materials for this work shall conform to the requirements of Article M.12.08.

**8.17.03--Construction Methods:** Granite stone curbing shall be constructed in the location and to the dimensions shown on the plans. The stone curbing shall be accurately set, straight and true to the line and grade as required. The stone curbing shall be set in a full mortar bed and full mortar end joints. As the stone curbing is being set, the anchors shall be grouted into the holes in the curbing by a method as approved by the Engineer. The concrete backing shall not be placed until the curbing and anchors have been properly placed. Care must be taken to prevent any movements of the stone curbing already in place while placing and compacting concrete backing. When required by the Engineer, the stone curbing shall be supported by such bracing and form work as may be necessary to prevent movement. Where vertical contraction joints or vertical expansion joints, or both, exist in the backing, the vertical joint of the curb shall coincide with the contraction or expansion joint.

All mortar joints shall be finished smooth and flush. These joints shall be carefully filled with cement mortar and shall be neatly pointed on the top and exposed front portions. After pointing, stone curbing shall be cleaned of all excess mortar to the satisfaction of the Engineer.

Where required and indicated on the plans, joint seal shall be placed in accordance with the provisions of Subarticle 4.01.03-F.6(f) insofar as it may apply.

Where indicated on the plans, or directed, drainage openings shall be made through the curbing at the elevations and of the size required.

All fines shall be cleaned from the face of stones after all work on the parapets has been completed.

**8.17.04--Method of Measurement:** This work will be measured for payment by the actual number of meters of granite stone curbing for bridges or curved granite stone curbing for bridges as the case may be, of the various sizes, installed and accepted. Measurement shall be made along the top arris line of the face of the curb. Stone curbing set on a radius of 50 m or less will be measured for payment as curved granite stone curbing for bridges.

**8.17.05--Basis of Payment:** Payment for this work will be made at the contract unit price per meter for "Granite Stone Curbing for Bridges" or "Curved Granite Stone Curbing for Bridges," "Sloped Granite Stone Curbing for Bridges" or "Curved Sloped Granite Stone Curbing for Bridges" as the case may be, of the various sizes specified, complete in place, which price shall include all materials including anchors, equipment, tools and labor incidental thereto.

There will be no direct payment for the cost of drilling holes in stone curbing for anchors, beveling or rounding the ends of the stone curbing and pointing the joints with mortar, and sealing the longitudinal joint; but the cost of this work shall be considered as included in the general cost of the work.

Pay Item	Pay Unit
Granite Stone Curbing for Bridges (Size)	m
Curved Granite Stone Curbing for Bridges (Size)	m
Sloped Granite Stone Curbing for Bridges (Size)	m
Curved Sloped Granite Stone Curbing for Bridges (Size)	m