

SECTION 8.12
DOWELED CONCRETE CURBING

8.12.01--Description: Doweled concrete curbing shall consist of Class "C" concrete constructed in accordance with the dimensions and details shown on the plans, or as ordered, and in conformity with these specifications.

8.12.02--Materials: The concrete and joint filler shall conform to the requirements of Article M.03.01.

Reinforcement bars shall conform to the requirements of Article M.06.01.

8.12.03--Construction Methods: Construction methods for the doweled concrete curbing shall conform to the requirements of Article 6.01.03 for concrete for structures, as supplemented by the following requirements:

1--Forms: The forms shall be adequate to produce the required section.

2--Placing Reinforcement: The reinforcement shall be placed as indicated on the plans, or as ordered. The dowels shall be set along the edge of the concrete pavement slab or concrete gutter as soon as practicable. The surface of the pavement slab or gutter in the area to be occupied by the curbing shall be given a rough finish to aid in bonding the curbing to it. The longitudinal steel shall be securely tied to the dowels just before the forms are placed.

3--Placing of Concrete: The concrete shall contain not less than 5 nor more than 7 percent entrained air at the time the concrete is deposited within the forms. The concrete shall then be struck off with a template, compacted by approved means, and finished to a smooth, even surface. Vibration will not be required.

The doweled concrete curbing shall be constructed in sections so arranged that a joint in the curbing shall come over each joint in the pavement or gutter slabs, and be similar to it. Separations of 3 mm shall be provided over planes of weakness in the pavement or gutter slabs by an approved method.

4--Expansion Joints: Expansion joint filler of the type indicated on the plans, cut to conform to the cross-section of the doweled curbing, shall be inserted in the joint in the curbing, directly over the expansion joint in the concrete pavement or gutter at the time the curbing is placed.

5--Curing and Protection: Doweled concrete curbing shall be cured and protected as described in Article 4.01.03 for Concrete Pavement.

8.12.04--Method of Measurement: This work will be measured for payment as follows:

1--Doweled Concrete Curbing: The curbing will be measured along the top and will be the actual number of meters of doweled concrete curbing, completed and accepted. Dowels and longitudinal reinforcement will not be measured for payment.

8.12.05--Basis of Payment: Payment for this work will be made as follows:

1--Doweled Concrete Curbing: Concrete for this doweled concrete curbing will be paid for at the contract unit price per meter for "Doweled Concrete Curbing" of the type specified, complete in place, which price shall include all equipment, tools, and labor incidental thereto; also all drainage openings and all materials including doweled and longitudinal reinforcement.

Pay Item	Pay Unit
Doweled Concrete Curbing (Type)	m