

**SECTION 72**  
**SLOPE PROTECTION**

72-1 GENERAL

**72-1.01 Description.**—Slope protection consists of rock, sacked concrete, concrete, concreted-rock or slope paving. The type of slope protection to be used will be designated in the Engineer's Estimate, the special provisions or shown on the plans. The slope protection shall be placed in conformance with these specifications, the special provisions, and the details and dimensions shown on the plans or directed by the Engineer.

72-2 ROCK SLOPE PROTECTION

**72-2.01 Description.**—This work shall consist of placing revetment type rock courses on the slopes.

The size of the individual pieces of rock shall be as indicated in the table in Section 72-2.02, "Materials," or as specified in the special provisions. The classes of rock slope protection are indicated by the average size of the individual piece to be used and will be designated in the Engineer's Estimate as 8-ton, 4-ton, 2-ton, 1-ton, 1/2-ton, 1/4-ton, Light, Facing, and No. 1, No. 2 or No. 3 Backing.

**72-2.02 Materials.**—The individual classes of rocks used in rock slope protection shall conform to the following, unless otherwise specified in the special provisions, or as shown on the plans.

**PERCENTAGE LARGER THAN \***

Rock Sizes	Method A Placement					Method B Placement								
	Classes					Classes								
	8 Ton	4 Ton	2 Ton	1 Ton	1/2 Ton	1 Ton	1/2 Ton	1/4 Ton	Light	Facing	Backing			
											No. 1	No. 2	No. 3	
16-Ton.....	0-5													
8-Ton.....	50-100	0-5												
4-Ton.....	95-100	50-100	0-5											
2-Ton.....		95-100	50-100	0-5		0-5								
1-Ton.....			95-100	50-100	0-5	50-100	0-5							
1/2-Ton.....				95-100	50-100	—	50-100	0-5						
1/4-Ton.....					95-100	95-100	—	50-100	0-5					
200-Lb.....							95-100	—	50-100	0-5	0-5			
75-Lb.....								95-100	—	50-100	50-100	0-5		
25-Lb.....									95-100	90-100	90-100	25-75	0-5	
5-Lb.....												90-100	25-75	
1-Lb.....														90-100

\* The amount of material smaller than the smallest size listed in the table for any class of rock slope protection shall not exceed the percentage limit listed in the table determined on a weight basis. Compliance with the percentage limit shown in the table for all other sizes of the individual pieces of any class of rock slope protection shall be determined by the ratio of the number of individual pieces larger than the specified size compared to the total number of individual pieces larger than the smallest size listed in the table for that class.

The material shall also conform to the following quality requirements:

Tests	California	
	Test	Requirements
Apparent Specific Gravity.....	206	2.5 Min.
Absorption.....	206	4.2% Max.*
Durability Index.....	229	52 Min.*