

**LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
SPECIFICATIONS**

AGGREGATE, RIPRAP

DESCRIPTION: This specification covers stone or recycled concrete riprap for use in maintenance activities.

GENERAL REQUIREMENTS: Stone riprap shall be from the Approved Materials List – Aggregates. Stone riprap shall not disintegrate upon exposure to the elements or be easily broken from handling, and shall be free from earth and other foreign materials. When tested in accordance with AASHTO T 85, the solid weight of stone shall be at least 155 pounds per cubic foot (based on bulk specific gravity). The least dimension of any individual stone shall be at least one-third its maximum dimension.

Product ID	Riprap Class ¹	Stone Size, lb	Spherical Diameter, foot ²	Percent of Stone Smaller Than
51700	30 lb	140	1.24	100
		60	0.94	42-100
		30	0.74	15-50
		10	0.51	0-15
51290	55 lb	275	1.5	100
		110	1.11	42-100
		55	0.88	15-50
		20	0.63	0-15
51001	130 lb	650	2	100
		260	1.46	45-100
		130	1.17	15-50
		40	0.79	0-15

¹ The stone size used to define the Riprap Class is the minimum median stone size for the stone class. The minimum thickness of a riprap layer shall be no less than the spherical diameter of the maximum stone size in the Riprap Class.

² Spherical diameters of riprap classes up to 30 lb are based on a solid stone weight of 140 lb/cu ft. Spherical diameters of riprap classes above 30 lb are based on a solid stone weight of 155 lb/cu ft.