

**REVISION OF SECTION 506
RIPRAP**

Section 506 of the 2017 CDOT Standard Specifications is hereby revised for this project as follows:

Delete Subsection 506.02 *Materials*, and replace with the following:

Riprap and stacked boulder slope stabilization stone shall consist of hard, dense, durable stone resistant to weathering without significant fractures or friable materials. Rounded stone or boulders shall not be used as rip-rap or rock wall material.

Material used for riprap and boulder slope stabilization shall be approved by the engineer based on visual inspection at the source and laboratory results furnished by the contractor. The contractor shall furnish laboratory results indicating that the material meets the requirements set forth in Table 506-1.

Table 506-1

Test Description	Test Method	Specification Requirement
Bulk Specific Gravity	AASHTO T85-08	2.3 Min
Absorption	AASHTO T85-08	3% Max
Los Angeles Abrasion	AASHTO T96	60% Loss Max
Sodium Sulfate Soundness	ASTM C88	10% Loss Max

Stacked boulder slope stabilization shall be of the general dimensions specified on the plans.

D_{50} = 18 inch riprap shall be angular and conform to the gradation limits provided in Table 506-2.

Table 506-2

Stone Dimension ^(a)	% Passing
30"	100%
24"	50% to 70%
18"	35% to 50%
6"	2% to 10%

Notes:

(a) Equivalent spherical diameter

8-inch minus rock mulch shall be angular and conform to the gradation limits provided in Table 506-3.

Table 506-3

Sieve Size	% Passing
8"	100%
4"	30% to 70%
2"	15% max
1"	5% max