

SECTION 02640 – SHOULDER AGGREGATE

(Follow all instructions and make all edits with “Track Changes” turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Replace Section 02640 of the Standard Specifications except for the Section number and title with the following:

Description

02640.00 Scope - This Section includes the requirements for shoulder Aggregate.

Materials**02640.10 Aggregate:**

(a) Grading - Furnish shoulder Aggregate consisting of crushed Rock, including Sand. Determine sieve analysis according to AASHTO T 27. Uniformly grade the Aggregates from coarse to fine. Furnish Aggregates according to one of the grading requirements of Table 02640-1 as identified in the Special Provisions or indicated by the Pay Item in the Contract Schedule of Items.

Table 02640-1
Grading Requirements - Shoulder Aggregates

	<u>Separated Sizes</u>	
	<u>1" - 0</u>	<u>3/4" - 0</u>
<u>Sieve Size</u>	<u>Percent Passing (by Weight)</u>	
1 1/2"	100	
1"	90 - 100	100
3/4"	–	90 - 100
1/4"	40 - 55	40 - 60

(b) Fracture of Rounded Rock - Determine the fracture of rounded Rock according to AASHTO T 335. Provide at least one fractured face based on the following percentage of particles retained on the 1/4-inch sieve for the designated size:

Minimum Percent of Fractured Particles
(by Weight of Material)

<u>Designated Size</u>	<u>Retained on 1/4" Sieve</u>
-------------------------------	--------------------------------------

1 1/2" - 0 and larger	50
Smaller than 1 1/2" - 0	50

(c) Durability - Furnish Aggregates meeting the following requirements:

Test	Test Method	Requirements
Abrasion	AASHTO T 96	35.0% maximum
Degradation (Coarse Aggregate)		
Passing No. 20 sieve	ODOT TM 208	30.0% maximum
Sediment Height	ODOT TM 208	3.0" maximum

(d) Sand Equivalent - Test shoulder Aggregate according to AASHTO T 176, and ensure a Sand equivalent of not less than 25.