

SECTION 00680 - STOCKPILED AGGREGATES

(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.)

Comply with Section 00680 of the Standard Specifications modified as follows:

00680.11(a) Aggregate Base and Shoulder Aggregate - Replace this subsection, except for the subsection number and title, with the following:

Furnish Aggregates in stockpiles of the sizes specified and meeting the requirements of 00641.10.

00680.11(b) Emulsified AC Aggregate - Replace the paragraph that begins "Aggregates in stockpiles ..." with the following paragraph:

Furnish Aggregates in stockpiles meeting the following requirements:

00680.11(b)(1) Quality - Replace this subsection, except for the subsection number and title, with the following:

Furnish Aggregates meeting the requirements of 00715.10(a), (c), (d), (e) and (f).

(Use the following lead-in paragraph and one of the following subsection .11(c) options for sanding rock. Check with the District Maintenance Manager before using. Modify as needed.)

Add the following subsection:

[Option 1 - Use the following subsection .11(c) when crushed quarry material is required.]

[Begin Option 1]

00680.11(c) Sanding Aggregates - ~~Provide~~ Furnish sanding Aggregates meeting the following requirements:

(1) Grading - Furnish clean, hard, and durable Aggregate in stockpiles meeting the following grading requirements:

(Use the following gradation when a coarse crushed quarry material is required.)

Sieve Size	Percent Passing (by Weight)
1/2"	100
3/8"	80 - 95
1/4"	10 - 40
No. 8	0 - 6
No. 40	0 - 2

(Use the following gradation when a fine crushed quarry material is required.)

Sieve Size	Percent Passing (by Weight)
1/2"	100
3/8"	85 - 100
No. 8	0 - 10
No. 40	0 - 2

Perform sieve analysis according to AASHTO T 27.

Scalp the Rock or Gravel material from ~~which~~ where the Aggregates are produced on a screen, with the entire surface ~~of which has~~ having openings not less than 1/2 inch in size. ~~After the~~ Furnish material that has passed over the scalping screen, ~~it shall~~ that does not contain not more than 5% by weight of material passing the 1/2-inch sieve. If quarry Rock is furnished, apply this requirement to the material after it has passed through the primary crusher. ~~In addition~~ Furnish 95 ~~percent~~ % of the quarry Rock ~~shall that~~ passes a ~~8-inch~~ 8-inch sieve following primary crushing.

(2) Elongated Pieces - ~~Evaluate~~ evaluate elongated pieces in Aggregate larger than 1/4 inch ~~shall be determined~~ according to ODOT TM 229, with the proportional caliper device set at a ratio of 5:1, and ~~shall~~ acceptable material does not exceed 10 percent by weight of the material retained on the 1/4 inch sieve.

(3) Fractured Faces - ~~Provide~~ Furnish Aggregates consisting of broken stone, crushed gravel, or a combination of both. Crush Aggregate such that at least 90% by weight of the total aggregate retained on the No. 8 and larger sieves is fractured on two faces, as determined according to AASHTO T 335.

[End Option 1]

[Option 2 - Use the following subsection .11(c) when cinder material is required.]

[Begin Option 2]

00680.11(c) Sanding Aggregates - ~~Provide~~ Furnish cinder sanding Aggregates in stockpiles meeting the following grading requirements:

Sieve Size	Percent Passing (by Weight)
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3/4"	100
1/2"	80 - 95
No. 10	25 - 50
No. 100	0 - 16

[End Option 2]

00680.15 Aggregate Production Quality Control - Replace the paragraph that begins "Provide sampling, testing ..." with the following paragraph:

Provide sampling, testing, and quality control during production of Aggregate according to Section 00165. Perform sampling and testing according to Section 00641, or Section 00715, as applicable. Aggregates are evaluated for compliance according to the following:

00680.16 Acceptance of Aggregate - Replace this subsection, except for the subsection number and title, with the following:

The Contractor's quality control tests are used for acceptance of Aggregates if verified by the Quality Assurance Program. The Agency will perform Aggregate production quality assurance according to the following:

(a) **ODOT-Administered Projects** - Quality assurance testing on projects administered by ODOT is performed according to Section 00165.

(b) **Projects Administered by Other Agencies** - The quantity of quality assurance testing on projects administered by Agencies other than ODOT is at the discretion of the Agency or as specified.

00680.40(a) Source Sites - Replace this subsection, except for the subsection number and title, with the following:

Prepare and develop the source site according to Section 00235.

00680.41 Piling of Materials - Replace the paragraph that begins "Place each separate ..." with the following paragraph:

Place each separate designated size of material to be stockpiled at a given site in a separate stockpile. Locate each stockpile to occupy as small an area as practicable, and separate each pile so that working room is adequate for removing the materials later. Pile Aggregate at heights not less than 8 feet, nor side Slopes flatter than 1V:1.5H, unless directed. Except in sand sheds, stockpile sanding materials to a height of 15 feet, or as directed.

~~*(Use one of the following subsections .42 when specifying place(s) of delivery. Fill in the quantity, type, stockpile site, and location as appropriate. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)*~~

~~*(Use this .42 when only one stockpile and place of delivery is required.)*~~

00680.42 Places of Delivery - Replace the paragraph that begins "Places of delivery ..." with the following paragraph:

Places of delivery and the tentative plans of distribution of the materials is shown or specified.

(Use one of the following subsections .42 options when specifying place(s) of delivery. Fill in the quantity, type, stockpile site, and location as appropriate. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)

(Use this .42 Option 1 – Use when only one stockpile and place of delivery is required.)

Add the following to the end of this subsection:

Deliver _____ (cubic yards)(tons) of _____ Aggregate, and stockpile at _____, located at _____ as shown.

(Option 2 - Use this .42 when more than one stockpile and place of delivery is required. Modify as needed. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)

~~00680.42 Places of Delivery~~ Add the following to the end of this subsection:

Deliver and stockpile Aggregate at the following locations:

Stockpile Site Location

Quantity and Material to be Stockpiled

ODOT Stockpile Site
_____ Highway _____ (cubic yards)(tons) _____ (type or size) _____ Rock
MP _____

ODOT Stockpile Site
_____ Highway _____ (cubic yards)(tons) _____ (type or size) _____ Rock
MP _____

(Use the following paragraph when filling sanding sheds.)

Fill the sand shed until full. Stockpile remaining material outside the sand shed as directed.

[End Option 2]

00680.70 Cleaning Up Source Sites - Replace this subsection, except for the subsection number and title, with the following:

Clean up the source sites according to Section 00235.

00680.90 Payment - Replace the paragraph that begins "The respective sizes ..." with the following paragraph:

The respective sizes of stockpiled Aggregates is inserted in the blank.

Replace the paragraph that begins "Payment will be payment ..." with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials in stockpiles and sand sheds, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.