SP00680 (2018 Specifications: 01-01-20)

# SECTION 00680 - STOCKPILED AGGREGATES

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include it in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and State Specifications Engineer for review and approval.)

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

(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 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.)

**Percent Passing**

**Sieve Size (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.)

**Percent Passing**

**Sieve Size (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 the aggregates are produced on a screen, the entire surface of which has openings not less than 1/2 inch in size. After the material has passed over the scalping screen, it shall 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 95% of the quarry rock shall pass a 8 inch sieve following primary crushing.

**(2)  Elongated Pieces** - 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 not exceed 10 percent by weight of the material retained on the1/4 inch sieve.

**(3)  Fractured Faces** - Provide 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 cinder sanding aggregates in stockpiles meeting the following grading requirements:

**Percent Passing**

**Sieve Size (by Weight)**

3/4" 100

1/2" 80 - 95

No. 10 25 - 50

No. 100 0 - 16

[ End Option 2 ]

(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 orange parentheses that does not apply and delete all orange parentheses.)

**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.

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

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

Deliver \_\_\_\_\_\_\_ ***(***cubic yards***)(***tons***)*** of \_\_\_\_\_\_\_\_ aggregate, and stockpile at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, located at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as shown.

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

**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.