

**SECTION 703
 AGGREGATE**

703.01 **FINE AGGREGATE FOR PORTLAND CEMENT CONCRETE** - Amend the first paragraph to read as follows:

Manufactured sand from one source having specific gravity of not less than 2.40 when Saturated Surface Dry (SSD). Gradation conforming to AASHTO M 6 except limit the material passing the No. 200 sieve to 3%.

703.02 **COARSE AGGREGATE FOR PORTLAND CEMENT CONCRETE** – Amend this whole subsection to read as follows:

Coarse aggregate derived from one source having specific gravity of not less than 2.40 when saturated surface dry (SSD) and Los Angeles Abrasion of not greater than 40. Free from injurious amount of organic impurities or any substance that may cause harmful reaction with the alkalis in the cement and excessive expansion of the concrete.

The recommended coarse aggregate gradations are as follows:

Sieve Size	Percentage Passing
	Maximum Size Aggregate (inch) 0.75
2 inch	----
1 ½ inch	----
1 inch	100
¾ inch	90-100
½ inch	----
3/8 inch	20-55
No. 4	0-10
No. 8	0-5

703.03 **GRANULAR BACKFILL** – Remove and delete item (b) entirely.

703.04 **PERMEABLE BACKFILL** – Amend this Subsection to supplement and include coralline limestone.

703.05 **SUBBASE, BASE, AND SURFACE COURSE AGGREGATE:**

a. General - This item is supplemented to include crushed coralline limestone.

Remove and delete the second paragraph/line entirely.

b. Sub-base or Base Aggregate – Add the following to this Item:

For Sub-base: Natural coral in place or pit run coral meeting the above requirements are satisfactory for use.

R-Value	Not less than 50
Maximum Dry Density	Not less than 122 lbs./cu.ft.

For Base Aggregate:

R-Value	Not less than 78
Maximum Dry Density	Not less than 130 lbs./cu.ft.

Replace Table 703-2 with Table 703-2A and Table 703-2B:

**Table 703-2A
Gradation Target Value Ranges for Subbase
Grading Designation "A"**

Sieve Size	Percentage by Weight Passing Designated Sieve (AASHTO T 27 and T 11)
2 in.	100
No. 4	50-100
No. 40	20-60
No. 200	5-25

**Table 703-2B
Gradation Target Value Ranges for Base
Grading Designation "B"**

Sieve Size	Percentage by Weight Passing Designated Sieve (AASHTO T 27 and T 11) Grading Designation "B"
2 in.	100
1 1/2 in.	90-100
3/4 in.	50-80
No. 4	30-60
No. 40	15-30
No. 200	5-13

c. Surface Course Aggregate – Remove and delete entirely.

703.07 HOT ASPHALTIC CONCRETE PAVEMENT AGGREGATE:

- a. Coarse Aggregates: This Item is supplemented to include crushed coralline limestone.
- (1) Change Los Angeles Abrasion requirements to 45% maximum.

Table 703-4
Target value Ranges for
Hot Asphalt Concrete Pavement Aggregate Gradation

Sieve Size	Percentage by Mass Passing Designated Sieve (AASHTO T 27 and T 11)
	Grading Designation "B"
3/4 in.	100
1/2 in.	97-100
3/8 in.	*(5)
No. 4	*(6)
No. 8	*(6)
No. 30	*(4)
No. 50	*(3)
No. 200	3-8 (2)

- 703.10 **ASPHALT SURFACE TREATMENT AGGREGATE** – Remove and delete entirely.
- 703.11 **SLURRY SEAL AND MICRO-SURFACING AGGREGATE** – Remove and delete entirely.
- 703.12 **CHOKER AGGREGATE** – Remove and delete entirely.
- 703.13 **BLOTTER** – Remove and delete entirely.
- 703.14 **AGGREGATE FOR AGGREGATE-TOPSOIL COURSE** – Remove and delete entirely.
- 703.16 **AGGREGATE FOR LEAN CONCRETE BACKFILL** – Remove and delete entirely.
- 703.17 **SUPERPAVE ASPHALT CONCRETE PAVEMENT AGGREGATE** – Remove and delete entirely.
- 703.18 **SHOTCRETE AGGREGATE** – Remove and delete entirely.
- 703.19 **RECYCLED ASPHALT PAVEMENT** – Remove and delete entirely.

END OF SECTION 703