

SPECIAL PROVISION
SECTION 703
AGGREGATES
(Combined Aggregate Grading for Concrete)

SECTION 703 – AGGREGATES Add the following:

703.031 Optimized Aggregate Grading for Concrete The combined gradation of the fine and coarse aggregates when mathematically blended using the mix design percentages shall conform to the requirements of the following table for the size or sizes designated and shall be well graded between the specified limits. Upon request, the Department can provide an FHWA document to aid in the development of a conforming mix design gradation blend.

Sieve Designation	Percentage by Weight Retained Square Mesh Sieves
Grading	Tarantula Curve
2 inch	0
1½ inch	0 – 5
1 inch	0 – 16
¾ inch	0 – 20
½ inch	4 – 20
⅜ inch	4 – 20
No. 4	4 – 20
No. 8	0 – 12
No. 16	0 – 12
No. 30	4 – 20
No. 50	4 – 20
No. 100	0 – 10
No. 200	0 – 4