



MICHIGAN
DEPARTMENT OF TRANSPORTATION

SUPPLEMENTAL SPECIFICATION
FOR
CRUSHED CONCRETE AGGREGATES

8.02 (3)

The following paragraphs are hereby added to Subsection 8.02.02-5 of the 1979 Standard Specifications:

Determination of crushed particles in aggregate produced by crushing Portland cement concrete will be based on the presence of broken faces on the particle and not on the fact that it is a fragment broken from concrete.

All sandstone particles will be considered as crushed particles.

The following sentence is hereby added after the first sentence of Sub-section 8.02.03 of the 1979 Standard Specifications:

Coarse aggregate produced by crushing Portland cement concrete salvaged from the removal of concrete pavements, curbing, sidewalk, and similar structures from Department projects may be used in No. 12 bituminous mixtures other than top course mixtures and in Portland cement concrete mixtures other than those requiring the use of 6AA aggregate.

The following paragraphs are hereby added to Subsection 8.02.03 of the 1979 Standard Specifications:

Coarse aggregate produced by crushing Portland cement concrete shall not be contaminated by base material picked up with the concrete. Presence of brick, wood, plaster, or similar materials in excess of 0.25 percent shall be considered as evidence of contamination and shall result in rejection of the aggregate. Pieces of steel reinforcement may be present provided they pass the maximum sieve size of the grading without hand manipulation. The quantity of bituminous material in the crushed concrete shall not exceed 5% for aggregate to be used in concrete mixtures nor 15% for aggregate to be used in bituminous mixtures. A fragment of crushed concrete containing some bituminous material, soft particles, or chert, will be considered as if the whole fragment was composed of the objectionable material. The crushed concrete shall conform to the physical requirements shown for gravel and stone in Table 8.02-2.

The following paragraphs are hereby added after the first paragraph of Sub-section 8.02.04 of the 1979 Standard Specifications:

The 20 Series aggregates are used in bituminous mixtures.

The 21AA, 21A, 22A, and 23A aggregates are used for aggregate base course aggregate surface course, aggregate shoulders, and aggregate approaches.

Dense-graded aggregate shall consist of gravel, stone, slag, or crushed concrete, in combination with fine aggregate as necessary to meet the gradation requirements.

Dense-graded aggregate produced by crushing Portland cement concrete shall not contain building rubble as evidenced by the presence of more than 1% brick, wood, plaster, or similar material. Pieces of steel reinforcement may be present provided they pass the maximum sieve size of the grading without hand manipulation. The crushed concrete shall conform to the physical requirements shown for gravel and stone in Table 8.02-2

When producing bituminous mixtures for top courses, aggregate produced by crushing Portland cement concrete will not be permitted for the portion of the 20 Series aggregate coarser than the No. 4 sieve.

The portion of the 20 Series aggregates passing the 3/8" sieve shall be natural sand, stone sand, slag sand, sand produced by crushing Portland cement concrete, or stamp sand. Only a negligible amount of organic material will be permitted. When producing bituminous mixtures for top courses, the amount of stone sand from crushed carbonate (limestone or dolomite) sources shall not exceed 10 percent of the total weight of the aggregate in the mix.

Subsections 8.02.04-a, b, c, and d of the 1979 Standard Specifications are hereby deleted.

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