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|  |
| --- |
| Use on all projects when aggregate for concrete, subbase, base and asphalt mix is specified. |

## Section 703. — AGGREGATE

|  |
| --- |
| Include Subsection 703.01 for all concrete. |

**703.01** Add the following:

**703.01 Fine Aggregate for Concrete.**

**(c)** Sand equivalent value, AASHTO T 176, 75 min.

Alternate Method No. 2

|  |
| --- |
| Include Subsection 703.05(a) and (b) when specifying **subbase or base aggregate using Section 301**. Include Section 301 and the Table 703-2 reference: |

**703.05 Subbase, Base, and Surface Course Aggregate.**

**(a) General.** Delete the following:

**(3)** Durability index (coarse), AASHTO T 210 35 min.

**(4)** Durability index (fine), AASHTO T 210 35 min.

**(b) Subgrade or Base aggregate.** Delete line (2) and substitute the following:

**(2)** Liquid limit, AASHTO R 58 and T 89 25 max

|  |
| --- |
| Include Subsection 703.05(c) when specifying **surface course aggregate using Section 301**. Include Section 301 and the Table 703-3 reference: |

**(c) Surface Course Aggregate.** Add the following:

% passing #200

% passing #40

**(4)** Dust ratio: 2/3 max.

Do not use material that breaks up when alternately frozen and thawed or wetted and dried.

Obtain the aggregate gradation by crushing, screening, and blending processes as necessary. Fine aggregate, material passing the No. 4 sieve, will consist of natural or crushed sand and fine mineral particles.

Delete Table 703-3 and substitute the following:

**Table 703-3**

**Target Value Ranges for**

**Surface Course Gradation and Plasticity Index**

|  |  |
| --- | --- |
| **Sieve Size** | **Percent by Mass Passing****Designated Sieve****(AASHTO T 27 and T 11)** |
| ¾ inch (19 mm) | 100 (1) |
| No. 4 (4.75 mm) | 41-71 (6) |
| No. 40 (425 µm)  | 12-28 (4) |
| No. 200 (75 µm) | 9-16 (3) |
| Plasticity Index (PI) | 8 (4) |

(1) Statistical procedures do not apply.

( ) Allowable deviations (+/-) from the target values.

|  |
| --- |
| Include Subsection 703.06 when specifying **surface course aggregate using Section 302**. Include Section 302 and the following: |

**703.06 Crushed Aggregate.** Add the following to the end of the paragraph:

When aggregate is used as a surface course, furnish an aggregate with a Plasticity index (AASHTO T 90) conforming to Table 703-3a.

**Table 703-3a**

**Surface Course Gradation and Plasticity Index**

|  |  |
| --- | --- |
| **Sieve Size** | **Percent by Mass Passing****Designated Sieve****(AASHTO T 27 and T 11)** |
| ¾ inch (19 mm) | 100 |
| No. 4 (4.75 mm) | 41-71 |
| No. 40 (425 µm)  | 12-28 |
| No. 200 (75 µm) | 5-20 |
| Plasticity Index (PI) | 4-12 |