October 29, 2015

REVISION OF SECTION 703

AGGREGATE FOR COVER COAT MATERIAL

**NOTICE**

This is a standard special provision that revises or modifies CDOT’s *Standard Specifications for Road and Bridge Construction.* It has gone through a formal review and approval process and has been issued by CDOT’s Project Development Branch with formal instructions for its use on CDOT construction projects. It is to be used as written without change. Do not use modified versions of this special provision on CDOT construction projects, and do not use this special provision on CDOT projects in a manner other than that specified in the instructions unless such use is first approved by CDOT’s Standards and Specifications Unit. The instructions for use on CDOT construction projects appear below.

Other agencies which use the *Standard Specifications for Road and Bridge Construction* to administer construction projects may use this special provision as appropriate and at their own risk.

**Instructions for use on CDOT construction projects:**

Use in projects having cover coat material.

October 29, 2015

SECTION 703

AGGREGATE FOR COVER COAT MATERIAL

Section 703 of the Standard Specifications is hereby revised for this project as follows:

Delete subsection 703.05 and replace with the following:

**703.05 Aggregate for Cover Coat Material.** Aggregates for cover coat material shall be crushed stone, crushed slag, crushed gravel, or natural gravel. Aggregates shall be composed of clean, tough, durable fragments free from an excess of flat, elongated, soft, or disintegrated pieces and free from fragments coated with dirt or other objectionable matter. Slag shall be air-cooled blast-furnace slag reasonably uniform in density.

The aggregate shall conform to the following requirements:

1. Percentage of wear, Los Angeles Abrasion Test (AASHTO T 96), not more than 35.
2. The maximum amount of flat and elongated aggregate with a ratio of 3:1 shall not exceed 12 percent as determined by ASTM D4791.
3. When blast-furnace slag is used, weight per cubic foot shall be at least 70 pounds.
4. For Type I, II, or IV cover coat material, 90 percent by weight of the particles retained on the 4.75 mm (No. 4) sieve shall have at least two fractured faces when tested in accordance with Colorado Procedure 45.
5. Lightweight aggregate used for cover coat material shall be an aggregate prepared by expanding shale, clay, or slate in a rotary fired kiln. Lightweight aggregate shall have a dry loose unit weight of 35 to 55 pounds per cubic foot determined in accordance with AASHTO T 19, Shoveling Procedure. The total mass of the test sample of lightweight aggregate used in AASHTO T 96 (Los Angles Abrasion) shall be 2000 g.

**Table 703-6**

**GRADATION SPECIFICATIONS FOR COVER COAT AGGREGATE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sieve Size** | **Percent by Weight Passing Square Mesh Sieve** | | |
| **9.5 mm (**⅜**")**  **Type 1** | **12.5 mm (½")**  **Type II** | **19.0 mm (¾")\***  **Type IV** |
| 19.0 mm (¾") |  |  | 100 |
| 12.5 mm (½") |  | 100 | 95-100 |
| 9.5 mm (⅜") | 100 | 70-100 | 60-80 |
| 4.75 mm (No. 4) | 0-15 | 0-4 | 0-10 |
| 75 µm (# 200) | 0-1.5 | 0-1.5 | 0-1.5 |
| \*Type IV shall be used only with lightweight aggregates. | | | |