April 25, 2018

REVISION OF SECTION 213

MULCHING

**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 mulch.

Section 213 of the Standard Specifications is hereby revised for this project as follows:

Delete subsection 213.02 (f)(1) and replace with the following:

1. Spray-on Mulch Blanket (Type 1) shall be a hydraulically applied matrix containing organic fibers, water soluble cross-linked tackifier, and reinforcing biodegradable fibers. The reinforcing fibers shall completely break down and not release any metals or toxins (compostable). Mulch Blanket (Type 1) shall conform to the following:

|  |  |  |
| --- | --- | --- |
| **Properties** | **Requirement** | **Test Method** |
| Organic Fibers | 71% Min. | ASTM D2974 |
| Cross linked Tackifiers | 10% ± 2% Min. |  |
| Reinforcing Fibers | 2.5% Min. |  |
| Biodegradability | 100% | ASTM D5338 |
| Ground Cover at Application Rate | 90% Min. | ASTM D6567 |
| Functional Longevity | 12 Months Min. |  |
| Cure Time | < 8 hours |  |
| Application |  |  |
| Application Rate  Application Rate | 3000 lbs./acre |  |

The organic fiber shall not contain lead paint, printing ink, varnish, petroleum products, seed germination inhibitors, or chlorine bleach. The organic fibers and reinforcing fibers cannot be produced from sawdust, cardboard, paper, or paper by-products.