

October 25, 2007

REVISION OF SECTION 208
STORM DRAIN INLET PROTECTION

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 the Standards and Specifications Unit of the Project Development Branch. 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 this standard special provision on projects requiring storm drain inlet protection.

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Section 208 of the Standard Specifications is hereby revised for this project as follows:

Subsection 208.01 shall include the following:

This work consists of the installation of storm drain inlet protection at locations as shown on the plans.

Subsection 208.02 shall include the following:

- (m) *Storm Drain Inlet Protection.* Storm drain inlet protection shall consist of aggregate filled fabric with the following dimensions:

	Type I	Type II
Diameter	4 in.	4 in.
Minimum Section Length	7 ft.	5 ft.
Apron Insert	---	30 in. or sized to grate

The inlet protection device shall consist of a woven geotextile fabric with the following properties:

Grab tensile strength	ASTM D 4632	lbs.	90 minimum
Trapezoid Tear Strength	ASTM D 4533	lbs.	25 minimum
Percent Open Area	COE-22125-86	%	10
Water Flow Rate	ASTM D 4491	gal./min./ft.	145
Ultraviolet Resistance	ASTM D 4355	%	70

Storm drain inlet protection shall be capable of remaining in place during a storm event and have an approximate weight of 7 to 10 pounds per linear foot of device. The device shall be capable of conforming to the shape of the curb. Aggregate contained in the storm drain inlet device shall consist of gravel or crushed stone conforming to Table 703-7 for Class C.

Subsection 208.05 shall include the following:

- (p) *Storm Drain Inlet Protection.* Prior to installation, the Contractor shall prepare the surface of the areas in which the Storm Drain Inlet Protection devices are to be installed such that they are free of materials greater than 2 inches in diameter and are suitably smooth for the installation of the Storm Drain Inlet Protection, as approved. The ends of the inlet protection shall extend a minimum of 1 foot past each end of the inlet.

Subsection 208.07 shall include the following:

Storm drain inlet protection will be measured by the linear foot of storm drain inlet protection device installed and accepted.

Subsection 208.08 shall include the following:

Pay Item	Pay Unit
Storm Drain Inlet Protection (Type____)	Linear Foot

Payment will be full compensation for all work, materials and equipment required to complete the item, including surface preparation, maintenance throughout the project, and removal upon completion of the work.

Aggregate will not be measured and paid for separately, but shall be included in the work.