



<p>SUPERSEDED BY EI 97-015 EFFECTIVE 12/11/97</p>		<p><i>New York State Department of Transportation</i> ENGINEERING INSTRUCTION</p>	<p>EI 96-013</p>
<p>Title: STANDARD SPECIFICATION SECTION 610 TURF AND WILDFLOWER ESTABLISHMENT AND 713-12 MULCH ANCHORAGE</p>			
<p>Distribution:</p> <p><input type="checkbox"/> Manufacturers (18) <input type="checkbox"/> Surveyors (33)</p> <p><input checked="" type="checkbox"/> Main Office (30) <input checked="" type="checkbox"/> Consultants (34)</p> <p><input checked="" type="checkbox"/> Local Govt. (31) <input type="checkbox"/> Contractors/AGC (39)</p> <p><input checked="" type="checkbox"/> Regions/Agencies (32) <input type="checkbox"/> _____ ()</p>		<p>Approved:</p> <p> P. J. Clark, Deputy Chief Engineer, Design</p> <p style="text-align: right;">3/18/96 Date</p>	

PURPOSE. This Engineering Instruction provides revised Sections 610 Turf and Wildflower Establishment and 713-12 Mulch Anchorage of the Standard Specifications.

EFFECTIVE DATE. Revised Sections 610 Turf and Wildflower Establishment and 713-12 Mulch Anchorage shall be effective for all Department contracts that include the turf or wildflower establishment items and are let on or after July 25, 1996.

BACKGROUND. This revision of Section 713-12 Mulch Anchorage was recommended because the existing specification does not explicitly prohibit, or otherwise control, the use of asphalt emulsion as mulch anchorage. The revised specification clearly states that only non-asphaltic mulch anchorage will be allowed for tacking of hay or straw mulches, unless otherwise specified in the contract documents.

Section 610 Turf and Wildflower Establishment is revised to indicate mulch anchorage shall be 713-12 Mulch Anchorage Type A unless otherwise specified in the contract documents.

TRANSMITTED SPECIFICATIONS

1. MULCH ANCHORAGE This replaces 1990 and 1995 Standard Specifications §713-12.

The attached shelf notes will be incorporated into the next update of the Standard specifications. Until that time, they will be inserts into contract proposals beginning with the effective date of this instruction for projects containing §209.XX and §610.XX pay items.

DESIGNER/FIELD INFORMATION. Mulch Anchorage Type A specifically excludes asphaltic materials. It should usually be used on Department projects, especially where wind induced drift or overspray of asphalt deposits on cars, mailboxes, sidewalks, buildings, etc. would be unacceptable. Therefore, §610 and 713-12 require contractors to use Mulch Anchorage Type A unless Type B is specified.

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It has come to our attention, however, that the cost of asphalt emulsion may be competitive with non-asphalt mulch anchorages. We also recognize that asphalt emulsion is an excellent mulch anchorage product. Therefore, specifying use of Mulch Anchorage Type B, which allows contractors to use asphalt emulsion, may be appropriate in locations such as relatively large open slopes where it is not likely that the appearance of existing features would be adversely affected by asphalt drift or overspray.

Designer's attention is called to the fact that Section 713-12 Mulch Anchorage Type B requires that asphalt emulsion shall be applied at the rate of 0.02L/m² unless a different rate is specified. If a different rate is desired for a project or specific locations on a project, it should be specified in the project's supplemental landscape development specifications as provided under subsection 610-3.02.A Rates and/or subsection 610-3.03.A Rates.

There will be no additional costs associated with the implementation of this EI.

CONTACT PERSON. Gary Glath in the Landscape Architecture Bureau at (518) 457-4460.

LANDSCAPE DEVELOPMENT MATERIALS

Make the following changes to the Standard Specifications of January 2, 1990.

Page 7-111

Replace §713-12 MULCH ANCHORAGE in its entirety with the following:

"713-12 MULCH ANCHORAGE

SCOPE. This specification covers the material requirements for mulch anchorage.

MATERIAL REQUIREMENTS. Mulch anchorage shall be Type A, unless otherwise specified in the contract documents.

Type A: Shall be approved non-asphaltic commercially available products that are specifically formulated for the purpose of anchoring or tacking hay or straw mulches. The materials shall be mixed and applied in accordance with the manufacturers' instructions.

Type B: Shall be either Type A or asphalt emulsion meeting the requirements of either 702-3201 Asphalt Emulsion or 702-90 Asphalt Emulsion Tack Coat. When asphalt emulsion is used it shall be uniformly applied at the rate of 0.02L/m², unless otherwise specified in contract documents.

Packaging. Mulch Anchorage Type A shall be furnished in the manufacturer's standard containers with the name of the material, the manufacturer's name, and the instructions for mixing and application appearing on each container.

Asphalt emulsion used for Mulch Anchorage Type B has no packaging requirements. The Engineer shall reject any asphalt material that is not homogenous or has separated. Asphalt separation caused by freezing is unacceptable.

BASIS OF ACCEPTANCE. The basis of acceptance for Mulch Anchorage Type A shall be the manufacturer's product label or product literature that indicates compliance with this specification.

The basis of acceptance for Mulch Anchorage Type B shall be as specified under section 702 Bituminous Materials.

The Department reserves the right to sample and test any of these materials subsequent to delivery at the project site.

The Engineer shall reject any materials that have become wet, caked, frozen, separated or otherwise unfit for use."

LANDSCAPE DEVELOPMENT MATERIALS

Make the following changes to the Standard Specifications of January 2, 1995.

Page 7-143

Replace §713-12 MULCH ANCHORAGE in its entirety with the following:

"713-12 MULCH ANCHORAGE

SCOPE. This specification covers the material requirements for mulch anchorage.

MATERIAL REQUIREMENTS. Mulch anchorage shall be Type A, unless otherwise specified in the contract documents.

Type A: Shall be approved non-asphaltic commercially available products that are specifically formulated for the purpose of anchoring or tacking hay or straw mulches. The materials shall be mixed and applied in accordance with the manufacturers' instructions.

Type B: Shall be either Type A or asphalt emulsion meeting the requirements of either 702-3201 Asphalt Emulsion or 702-90 Asphalt Emulsion Tack Coat. When asphalt emulsion is used it shall be uniformly applied at the rate of 0.02L/m², unless otherwise specified in contract documents.

Packaging. Mulch Anchorage Type A shall be furnished in the manufacturer's standard containers with the name of the material, the manufacturer's name, and the instructions for mixing and application appearing on each container.

Asphalt emulsion used for Mulch Anchorage Type B has no packaging requirements. The Engineer shall reject any asphalt material that is not homogenous or has separated. Asphalt separation caused by freezing is unacceptable.

BASIS OF ACCEPTANCE. The basis of acceptance for Mulch Anchorage Type A shall be the manufacturer's product label or product literature that indicates compliance with this specification.

The basis of acceptance for Mulch Anchorage Type B shall be as specified under section 702 Bituminous Materials.

The Department reserves the right to sample and test any of these materials subsequent to delivery at the project site.

The Engineer shall reject any materials that have become wet, caked, frozen, separated or otherwise unfit for use."

TURF AND WILDFLOWER ESTABLISHMENT

Make the following changes to the Standard Specifications of January 2, 1990:

Page 6-38

Under §610 - 2.02 **delete** the references to "Mulch Anchorage 713- 12 " in the third and tenth lines to **replace** them with "Mulch Anchorage 713-12, Type A ";

Page 6-39

Under §610 - 2.03 **delete** the reference to "Mulch Anchorage 713- 12 " in the third line to and **replace** it with "Mulch Anchorage 713- 12, Type A ".

TURF AND WILDFLOWER ESTABLISHMENT

Make the following changes to the Standard Specifications of January 2, 1995:

Page 6-55

Under §610 - 2.02 **delete** the references to "Mulch Anchorage 713- 12 " in the third and tenth lines to **replace** them with "Mulch Anchorage 713-12, Type A ",

Page 6-56

Under §610 - 2.03 **delete** the reference to "Mulch Anchorage 713- 12 " in the third line to and **replace** it with "Mulch Anchorage 713- 12, Type A ".