

SUPERSEDED BY EB 15-031 EFFECTIVE 9/28/15		New York State Department of Transportation ENGINEERING INSTRUCTION	EI 10-003
Title: NEW STANDARD SPECIFICATION §710-06 ROCK SLOPE NET AND WIRE MESH ASSEMBLIES			
Distribution: ☐ Manufacturers (18) ☒ Local Govt. (31) ☒ Agencies (32) ☐ Surveyors (33) ☒ Consultants (34) ☒ Contractors (39) ☐ _____ ()		Approved:  Robert L. Sack, P.E. Deputy Chief Engineer (Research) 27 JAN 10 Date	

ADMINISTRATIVE INFORMATION:

- This Engineering Instruction (EI) is effective beginning with projects submitted for the letting of May 6, 2010.
- Superseded issuance(s): This EI does not supersede any previous issuances.
- The information transmitted by this issuance will be incorporated into a future revision to the Standard Specifications.

PURPOSE: The purpose of this EI is to revise Standard Specification Section 710 *Fence and Guide Rail*.

TECHNICAL INFORMATION:

- Standard Specification §710-06 *Rock Slope Net and Wire Mesh Assemblies* is created and assigned the material specifications relating to netting used in rock slope catchment fences.

IMPLEMENTATION:

- The Main Office Design Quality Assurance Bureau will insert these standard specification shelf notes beginning with projects submitted for the letting of May 6, 2010.

TRANSMITTED MATERIALS:

- Standard Specification shelf notes for Section 710 *Fence and Guide Rail*. Both metric and US Customary shelf notes are included.

BACKGROUND: The NYS Department of Transportation is implementing Trns-port SiteManager, including both Construction and Materials functionality. Implementation of standard AASHTO software enables SiteManager to allow revising this agency's practices to be more consistent with industry-accepted best practices. The revisions to the Standard Specifications are to minimize the overall quantity of special specifications.

CONTACT: Questions or comments regarding this issuance should be directed to Randall J. Romer, P.E. of the Geotechnical Engineering Bureau at (518) 457-4714, rromer@dot.state.ny.us. Questions or comments regarding the technical aspects of the Standard Specifications should be directed to Yves Nazon, of the Geotechnical Engineering Bureau at (518) 457-4729, ynazon@dot.state.ny.us.

SUBSURFACE TENSILE ELEMENTS

Make the following changes to the Standard Specifications dated May 4, 2006:

Add the following:

§710-06 – ROCK SLOPE NET AND WIRE MESH ASSEMBLIES

SCOPE. This specification covers the material requirements for the components for assembling a rock bolt generally used in reinforcing a rock slope or as part of a rock catchment system. The following materials are evaluated in this specification:

710.0601 – Rock Slope Net Assembly.

710.0602 – Rock Slope Wire Mesh Assembly.

710.0603 – Rock Slope Wire Mesh Drape Assembly.

MATERIAL REQUIREMENTS.

A. Rock Slope Net Assembly. Provide a fence consisting of a net fabricated from wire rope meeting the requirements of §710-27 *Rock Slope Wire Ropes, Seam Rope for Wire Rope Rock Catchment Fence*. The border rope of the net shall meet the requirements of §710-27 *Rock Slope Wire Ropes, Net Supporting Wire Rope for Wire Rope Rock Catchment Fence*.

The mesh size of the net shall be 200 mm by 200 mm. The net shall be diagonally woven.

B. Rock Slope Wire Mesh. Provide 11 gauge (3 mm diameter), single twisted, coated steel wire mesh, with Class 1 (Zn-5Al) coating conforming to ASTM F1345. The steel wire composing the mesh shall have a minimum tensile strength conforming to ASTM A817.

C. Rock Slope Wire Mesh Drape. Provide 11 gauge (3 mm diameter), 8 by 10 mesh type having a nominal mesh opening of 83 mm x 114 mm, galvanized steel wire mesh, conforming to ASTM A975, Style 1.

BASIS OF ACCEPTANCE. The Rock Slope Net Assembly will be accepted on the basis of a material certification that the product conforms to this specification.

The Rock Slope Wire Mesh will be accepted on the basis of a material certification that the product conforms to this specification.

The Rock Slope Wire Mesh Drape will be accepted on the basis of a material certification that the product conforms to this specification.

SUBSURFACE TENSILE ELEMENTS

Make the following changes to the Standard Specifications dated May 1, 2008:

Add the following:

§710-06 – ROCK SLOPE NET AND WIRE MESH ASSEMBLIES

SCOPE. This specification covers the material requirements for the components for assembling a rock bolt generally used in reinforcing a rock slope or as part of a rock catchment system. The following materials are evaluated in this specification:

710.0601 – Rock Slope Net Assembly.

710.0602 – Rock Slope Wire Mesh Assembly.

710.0603 – Rock Slope Wire Mesh Drape Assembly.

MATERIAL REQUIREMENTS.

A. Rock Slope Net Assembly. Provide a fence consisting of a net fabricated from wire rope meeting the requirements of §710-27 *Rock Slope Wire Ropes, Seam Rope for Wire Rope Rock Catchment Fence*. The border rope of the net shall meet the requirements of §710-27 *Rock Slope Wire Ropes, Net Supporting Wire Rope for Wire Rope Rock Catchment Fence*.

The mesh size of the net shall be 8 in. by 8 in. The net shall be diagonally woven.

B. Rock Slope Wire Mesh. Provide 11 gauge (1/8 in. diameter), single twisted, coated steel wire mesh, with Class 1 (Zn-5Al) coating conforming to ASTM F1345. The steel wire composing the mesh shall have a minimum tensile strength conforming to ASTM A817.

C. Rock Slope Wire Mesh Drape. Provide 11 gauge (1/8 in. diameter), 8 by 10 mesh type having a nominal mesh opening of 3 1/4 in. x 4 1/2 in., galvanized steel wire mesh, conforming to ASTM A975, Style 1.

BASIS OF ACCEPTANCE. The Rock Slope Net Assembly will be accepted on the basis of a material certification that the product conforms to this specification.

The Rock Slope Wire Mesh will be accepted on the basis of a material certification that the product conforms to this specification.

The Rock Slope Wire Mesh Drape will be accepted on the basis of a material certification that the product conforms to this specification.