

ITEM 607.0615--25 - FOUR FOOT SYNTHETIC SNOW FENCE ATTACHED TO EXISTING SIX FOOT CHAIN LINK FENCE WITH TOP TENSION WIRE

1. DESCRIPTION:

- 1.01 Under this work the Contractor shall furnish and install "Nordic Plus II" snow fence or an approved equal at the location shown on the plans and as directed by the Engineer. Snow fence is available from the following:

Tenax Corporation
4800 East Monument Street
Baltimore, Maryland 21205



2. MATERIALS:

- 2.01 **Snow Fence:** Snow fence material shall be manufactured for the intended purpose and shall conform to the following specifications:

Material:	High Density Polyethylene (HDPE)
Color:	Black
Min. Longitudinal Tensile Strength:	1096.4 lb/ft of width
Min. Transverse Tensile Strength:	239.8 lb/ft of length
Max. Elongation at Break (Longitudinal):	100%
Min. Aperture Dimension:	1.0 inch

Tensile strength and elongation to be determined in accordance with ASTM D4595.

For ultraviolet (UV) protection, synthetic fencing materials having a thickness less than 1/32 inch shall contain at least 2.0% well-dispersed carbon black as determined by ASTM D4218, in addition to any other chemical additives for UV resistance.

- 2.02 **Cable Tie:** Cable ties shall be Model TY5272MX manufactured by Thomas and Betts available at electrical supply companies or approved equal:

Body Width:	0.25 inch
Body Length:	8.0 inch
Tensile Strength:	250.0 pounds

The cable tie shall contain carbon black to provide UV resistance.

- 2.03 **Fence Rings:** Fence rings shall be made from 9 gauge galvanized wire with a throat opening of 0.5 inch and overall length of 1.5 inch. A known supplier of fence rings is:

Western Wire Products
770 Sun Park Drive
Fenton, Missouri 63026



ITEM 607.0615--25 - FOUR FOOT SYNTHETIC SNOW FENCE ATTACHED TO EXISTING SIX FOOT CHAIN LINK FENCE WITH TOP TENSION WIRE

3. CONSTRUCTION DETAILS:

- 3.01 The snow fence shall be erected at the location shown on the plans, in accordance with the manufacturer's instructions, or as directed by the Engineer. The snow fence shall be installed on the Authority's side of the existing chain link fence with option top tension wire. The fence shall follow the contour of the ground. A gap of six (6) inches shall be maintained from the bottom of fence to the ground surface.
- 3.02 The fence fabric shall run straight, with a vertical alignment deviation over a three-pole span not to exceed 0.25 inches.
- 3.03 The synthetic snow fence material must be stretched taut according to manufacturer's specification, but in no case shall tension be less than 123.4 Kips per feet.
- 3.04 The synthetic snow fence material shall be attached directly to the existing chain link fence. The fence material shall be wrapped around the end posts and attached to the chain link fence. The synthetic snow fence shall be attached to the chain link fence at a maximum spacing of three (3) feet center to center horizontal spacing. Vertical attachment to the chain link fence shall be the top and bottom of the synthetic snow fence then at two (2) equal distances in between. Fence sections shall overlap adjacent sections by six (6) inches.
- 3.05 The method to attach the synthetic snow fence shall be either cable tie or fence ring. The Contractor shall choose a method of attachment that will maintain the proper snow fence tension and alignment.

4. METHOD OF MEASUREMENT:

- 4.01 Fencing shall be measured as the number of linear feet of snow fencing attached to an existing chain link fence with top tension wire. Measurement shall be from center to center of the end poles of the existing fence. An allowance of ten (10) feet will be added for each end pole, corner pole and intermediate pole the snow fence is installed on.

5. BASIS OF PAYMENT:

- 5.01 The unit price bid per linear foot of fencing shall include the cost of furnishing all labor, materials, tools, and equipment necessary to successfully complete the work.