



NOTE: CABLE HEIGHTS ARE TO THE MIDDLE OF THE CABLE

EMBEDMENT DEPTH VARIES BY SITE & SOIL CONDITIONS

FRONT

SIDE

NU-CABLE TL-4 ROADSIDE

SGR07f

SHEET NO.

DATE:

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09/01/2011

INTENDED USE

The NU-CABLE system is a High-Tension Cable Barrier for use on national, state & local roadways to prevent collisions with hazards as required by safety design standards. The system has a variety of post spacing options to fit site performance needs for deflection. The system can be configured for roadside or median applications. The posts may be driven, for ease of installation, or mounted in sockets, either concrete or metal, for ease of repair. The system is used with four cables to accommodate side-slope conditions up to 4H:1V, and increased heavy vehicle traffic areas.

COMPONENTS

The posts are Rib-Bak U-Channel sign posts 4 lb/ft [6.0 kg/m] fabricated from hot rolled carbon steel bars conforming to the requirements of NUCOR Grade SP-80 with a minimum yield point of 80,000 psi [552 MPa].

There are four cables, each of 3 x 7 x 3/4" [19] SWRC meeting AASHTO M 30-92 (2000)/ ASTM A-741-98 Type I Class A, with a minimum breaking strength of 39,000 lbf [173.5 kN].

The locking metal hooks will be manufactured from ASTM A-307 Grade C carbon steel. Nuts shall be Heavy Hex Nuts 5/16" [8] and manufactured to ASTM A-563 Grade A. Both hook bolt and nut shall be galvanized according to AASHTO M232 (ASTM A-153). The cable hanger and strap, connecting the top two cables, are fabricated from 1/2" x 1/4" [12 x 6] ASTM A-36, 1008/1010 steel and galvanized according to ASTM A-123.

Cables are joined together with 1" [25] (39,000 lbf [173.5 kN]) turnbuckles with cable ends (e.g., RCE03) or non-wedge style fittings.

The system is anchored on both ends with either a NUCOR Cable End Terminal (SEC07e) or an approved transition to another barrier type.

The system meets NCHRP-350 TL-4 requirements as a longitudinal barrier.

AGENCY ACCEPTANCE

FHWA Acceptance Letter [B-167](#), 01/24/2008

CONTACT INFORMATION

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NUCOR

BAR MILL GROUP

NUCOR STEEL MARION, INC.

All Nucor Steel Marion Inc. products are produced from 100% recycled steel.