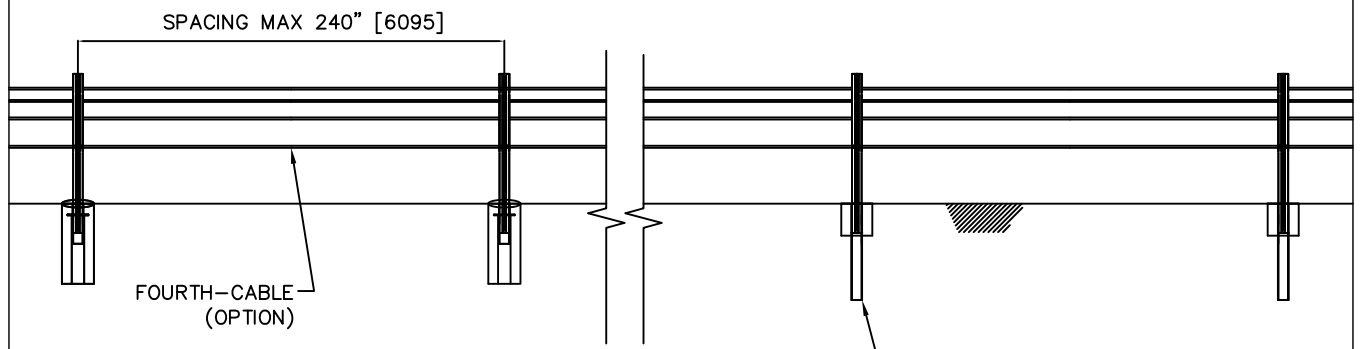
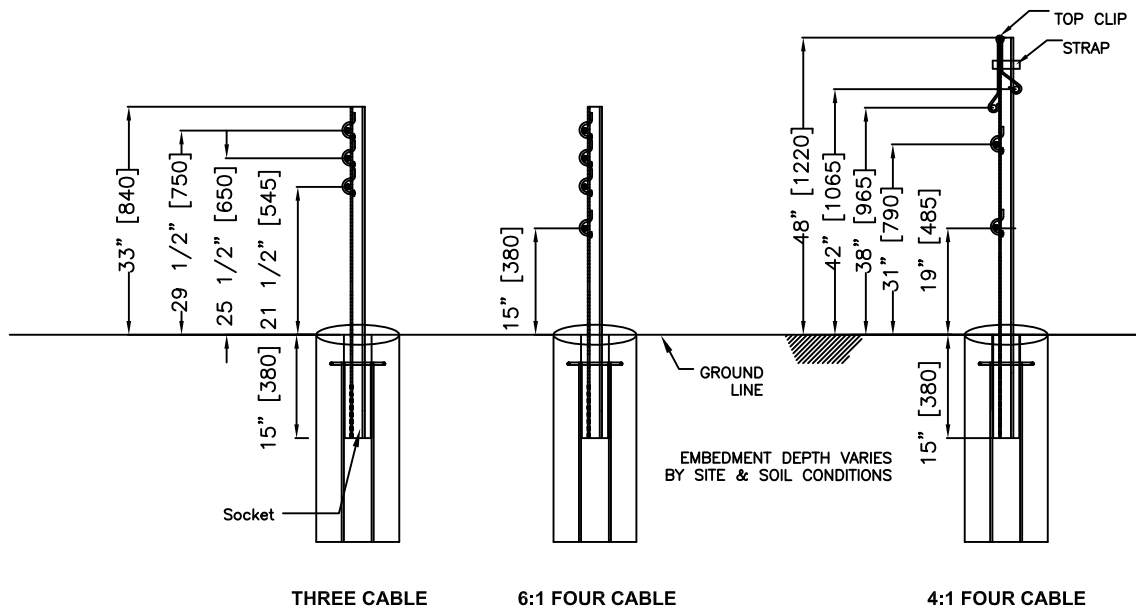


ELEVATION VIEW
(TYPICAL LAYOUT THREE-CABLE)



ELEVATION VIEW
(TYPICAL LAYOUT FOUR-CABLE)



NU-CABLE TL-3 ROADSIDE

SGR07e

SHEET NO.	DATE:
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INTENDED USE

The NU-CABLE system is a High-Tension Cable Barrier for use on national, state and 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 may be used with three or four cables on slopes up to 6H:1V, and with four cables on slopes up to 4H:1V.

COMPONENTS

The posts are Rib-Bak U-Channel sign posts 4 lb/ft [6.0 kg/m] or 5 lb/ft [7.4 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 either three or four cables, each of 3 x 7 x 3/4" [19] SWRC (RCM01) 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, used on 4:1 slopes, 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 either 3/4" [19] (25,000 lbf [111.2 kN]) or 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-3 requirements as a longitudinal barrier.

AGENCY ACCEPTANCE

FHWA Acceptance Letter [B-96](#), 08/30/2002

FHWA Acceptance Letter [B-96A](#), 10/12/2005

CONTACT INFORMATION

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NU-CABLE TL-3 ROADSIDE

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NUCOR

BAR MILL GROUP

NUCOR STEEL MARION, INC.

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