

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51

(April 6, 2009)

High-Tension Cable Barrier System (3 and 4 Cable)

A manufacturer's representative, or an installer who has been trained and certified by the unit's manufacturer, shall supervise assembly and installation at all times. Provide a copy of the installer's certification to the Engineer prior to installation.

Assemble and install high-tension cable barrier according to the manufacturer's recommendations. This shall include the connection to guardrail and the transition and terminal sections identified in the Plans. Submit any Contractor proposed modification in barrier location, type, terminal or transition to the Engineer for approval a minimum of 10-days prior to any work in the affected section.

Unless otherwise stated in the Plans, all posts shall be a socket type assembly; with the actual cable barrier post being inserted into a sleeve encased in a cast in place or precast reinforced concrete post foundation and will be installed as recommended by the manufacturer. On every 6th-post, install yellow retro-reflective sheeting that conforms to AASHTO M268 Type 4 adhesive sheeting on both sides of the post.

Terminal Placement

Unless otherwise stated in the Plans, the foundations for the high tension cable barrier terminals shall be cast in place or precast concrete and shall be installed in accordance with manufacturer's recommendations. If a precast concrete foundation is installed, the bottom of the unit shall have a full and even bearing on the surface under it. If there is a need for backfilling an excavation for the concrete foundation, backfill the excavation in accordance with Section 2-09.3(1) E. Delineate the anchor posts for approach traffic with Type 3 lateral clearance markers (object markers) that are made with type III or type IV sheeting.

Additional High-Tension Cable Barrier Components

Furnish and deliver one complete set of High-Tension Cable Barrier to each of the Contracting Agency sites listed below:

*** \$\$1\$\$ ***

Include the following components with each complete set:

One-hundred line posts and all associated hardware including but not limited to spacers, connectors, straps, caps and covers. If the system has a special post to accommodate turnbuckles, then 5 of the line posts shall be these special posts.

Twenty sockets except when concrete sockets are used.

One 50 foot long section of cable used for the contract.

Three cable splices and 3 turnbuckle assemblies for a 3-cable system or 4 cable splices and 4 turnbuckle assemblies for a 4-cable system (1-assembly consists of a left and right hand threaded end with a turnbuckle).

One tension measuring device as recommended by the manufacturer.

One anchor post designed for use with the foundations installed.

1
2
3
4
5
6

Ten line terminal posts and all associated hardware.

Provide 48-hours notice to both the Engineer and the maintenance contact listed above prior to delivery. Damaged items will not be accepted and shall be replaced at no cost to the Contracting Agency.