

Per 12'-6" Barrier Section

REINFORCING A615 Gr. 60						
Bar	Bar Size	Shape	No. of Bars	Length Ft.	Weight Lbs.	
4a1	4	V	12	6'-0"	48.1	
6a2	6	U	6	35"	26.3	
5b1	5		3	12'-2"	38.1	
4c1	4		2	12'-2"	16.3	
LOOP ASSEMBLY						
6d1	6		2	8'-5"	25.3	
6d2	6		2	7′-7"	22.8	
6d3	6		2	8'-6"	25.5	

- Retainer bolt & nut are required for connections with 2-loop barriers (previous designs) or in conjunction with Strap Anchorage.
- (5) Barrier Markers shall be furnished and installed by the Contractor. Markers shall be placed as shown on this sheet and attached to the barrier in a manner approved by the manufacturer. Marker shall face oncoming traffic and the color shall match the adjacent edge line. The Contractor shall maintain the markers and promptly repair or replace any damaged or missing units. All costs for furnishing, installing and maintaining markers shall be included in the price bid for "Temporary Barrier Rai, Concrete."



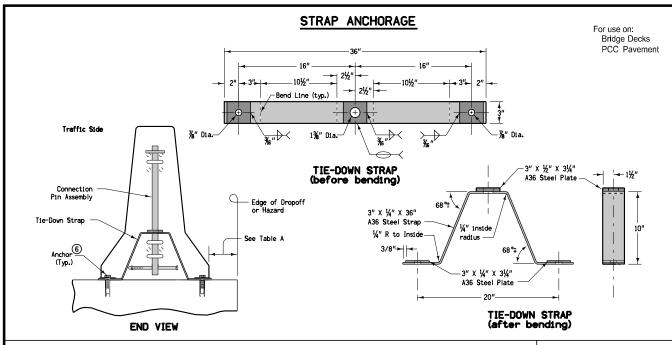
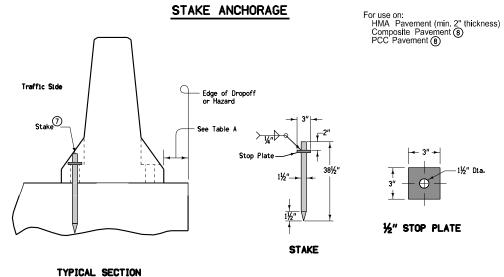


TABLE A ANCHORAGE REQUIREMENTS

Hazard	Dropoff	Min. offset where TBR is Unanchored	Min. offset where TBR 1s Anchored
Dropoff from pavement	≤ 24"	24"	6''
pavement	> 24"	45"	6′′
Dropoff from bridge	≤ 3"	1"	N/A
bridge	> 3"	45"	6''
Fixed vertical object	N/A	24"	6"



Following removal of anchorage, fill all holes with an approved non-shrink grout.

The cost of anchorage, when required, shall be included in the price bid for "Temporary Barrier Rail, Concrete".

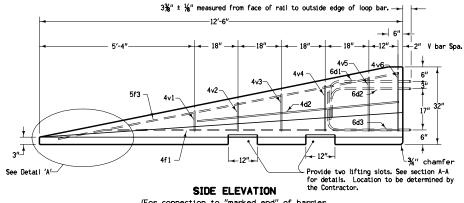
- (§) 3/4" Red Head Multi-Set II drop-In anchor with 3/4" dla. x 1-3/4" long ASTM A325 structural bolt OR Red Head Large Diameter Tapcon (3/4" dia. x 4-1/2" min.) OR Simpson Titen HD Wedge Bolt (3/4" dia. x 5" min.).
- (7) 3 stakes required per rail section.
- (8) Pre-drill holes for stakes with 1-5/8" core bit.





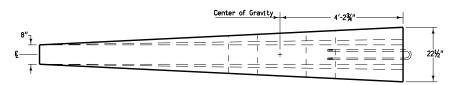
→ 8"

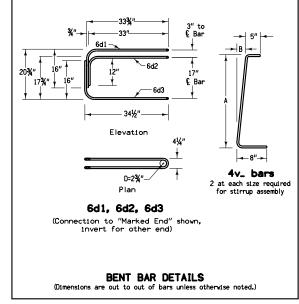
FRONT ELEVATION



(For connection to "marked end" of barrier.

Invert loop bars for other end.)



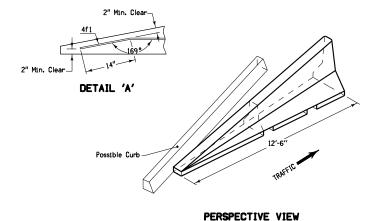


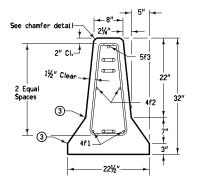
Per 12'-6" Barrier Taper Section

REINFORCING A615 Gr. 60						
Bar	Bar Size	Shape	No. of Bars	Length ft.	Weight lbs.	
4v1	4	L	2	23"	2.6	
4v2	4	L	2	26"	2.9	
4v3	4	L	2	30"	3.3	
4v4	4	[2	33"	3.7	
4v5	4	Ĺ	2	3'-2"	4.2	
4v6	4	Ĺ	2	3'-4"	4.5	
4f1	4		2	12'-0"	16.0	
4f2	4		2	7′-6″	10.0	
5f3	5		1	11'-9"	12.3	
LOOP ASSEMBLY						
6d1	6		1	8'-5"	12.6	
6d2	6		1	7'-7"	11.4	
6d3	6		1	8'-6"	12.8	

Bar	Α	В
4v1	10"	1"
4v2	13"	11/4"
4v3	17"	1%"
4∨4	20"	1%"
4v5	24½"	2%"
4v6	27"	2¾"

PLAN VIEW





END SECTION

Tapered end section is not designed for use within 30 feet of traffic on facilities with speed limits 55 mph or greater, nor within 10 feet of traffic on facilities with speed limits 40 mph to 50 mph.

Estimated quantity of concrete for one taper section is 0.6 cubic yards.

(3) 1" radius allowed.

