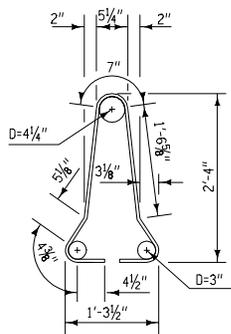
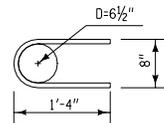


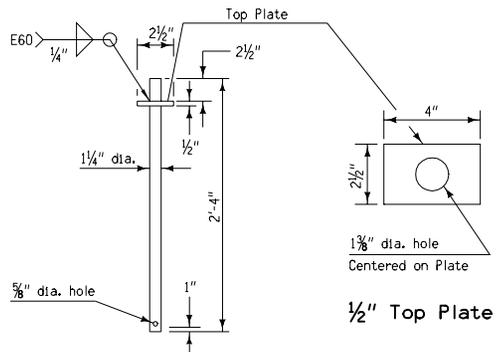
BENT BAR DETAILS
(Dimensions are out to out of bars unless otherwise noted.)



4A1

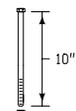


6A2



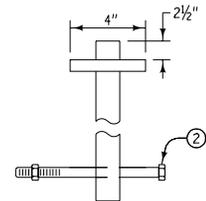
CONNECTION PIN

(A36 Steel) 10.9 lbs. each



RETAINER BOLT & NUT ②

1/2" dia. bolt & nut
(ASTM A490, Grade 8)

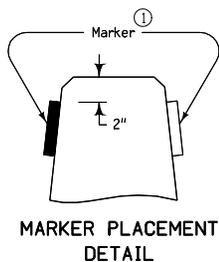


ENLARGED PIN DETAIL

CONNECTION PIN ASSEMBLY

Markers shall be furnished and installed by the Contractor. Markers shall be placed on the barrier as recommended by the manufacturer and as shown in the Marker Placement Detail. The markers shall be installed at 12.5 foot spacing and face oncoming traffic. Refer to Details of Barrier Placement. 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 the temporary barrier rail.

- ① Color same as adjacent edgeline.
- ② Retainer bolt & nut are required for connections with 2-loop barriers (previous designs) or in conjunction with the 'Type 2' Anchorage Straps.



Per 12'-6" Barrier Section

| REINFORCING A615 Gr. 60 | | | | | |
|-------------------------|----------|-------|-------------|------------|-------------|
| Bar | Bar Size | Shape | No. of Bars | Length Ft. | Weight Lbs. |
| 4A1 | 4 | Λ | 12 | 6'-0" | 48.1 |
| 6A2 | 6 | ⊔ | 6 | 2'-11" | 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 |

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RE-71(2)

REVISION: Add sheet 3 for tie-downs and provide clarity. RE-72 added as sheet 4. REVISION NO. 6

APPROVED BY DESIGN METHODS ENGINEER
Deanna Masfield
REVISION DATE 04-18-06

**TEMPORARY BARRIER RAIL
(PRECAST CONCRETE)**

(Sheet 2 of 4)