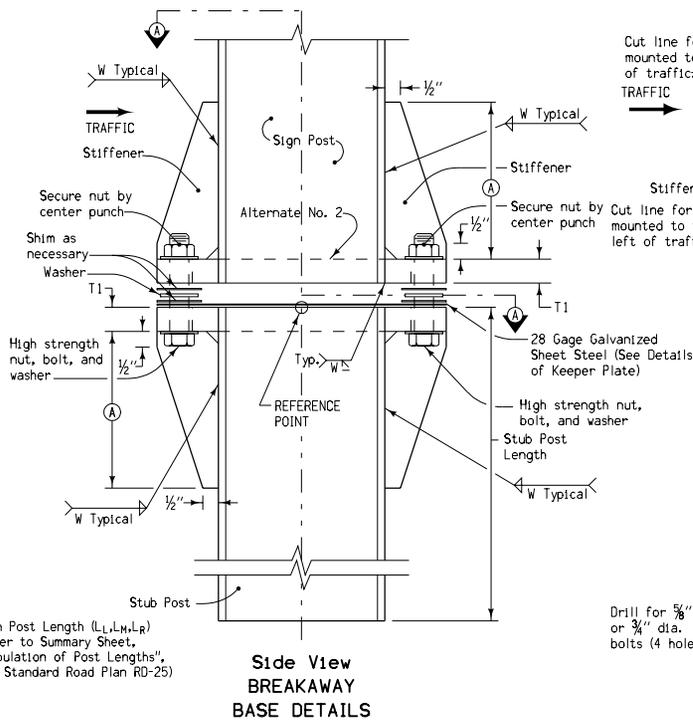
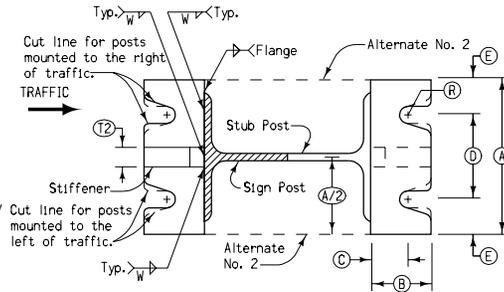


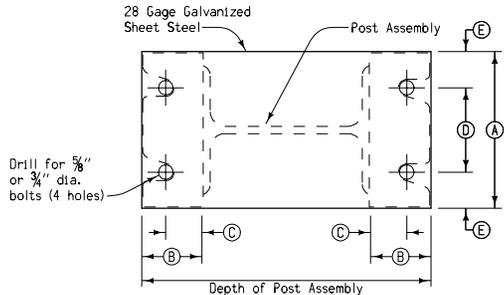
TYPICAL SIGN INSTALLATION



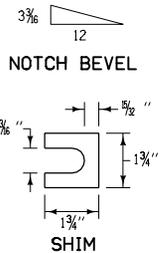
(W) Welds shall be continuous fillet welds and of a depth equal to the thickness of the flange for the post unless otherwise specified.



Section A-A (Plan)
DETAILS OF BASE



DETAILS OF KEEPER PLATE



POST DATA	
Post Size	Stub Length
W 6 x 9	2'-6"
W 6 x 12	
W 6 x 15	
W 8 x 18	3'-0"
W 8 x 21	
W 10 x 22	
W 12 x 26	

BREAKAWAY BASE DATA									
Post Size	Bolt Size & Torque	A	B	C	D	E	T	W	R
W 6 x 9	5/8" dia. x 2 3/4" Torque = 37.50 ft. lbs.	5"	2"	1 1/4"	2 3/4"	1 1/8"	3/4"	1/2"	1/4"
W 6 x 12									
W 6 x 15									
W 8 x 18	3/4" dia. x 3 1/2" Torque = 62.50 ft. lbs.	6	2 1/4"	1 3/8"	3 1/2"	1 1/4"	1"	3/4"	5/16"
W 8 x 21									
W 10 x 22									
W 12 x 26									

Signpost shall be plumbed by installing shims. The Contractor shall furnish two shims each of 0.012" and 0.032" thickness (total of 4 per post). Shims shall be brass stock or strip conforming to ASTM B 36.

Details are shown for signs to be installed to the right of through roadway traffic. All installations will be this, unless specified otherwise. For a left side installation, the notches in the breakaway base plate would be beveled in opposite direction as that shown.

Breakaway base shall be fabricated by either of two methods:

ALTERNATE NUMBER 1 - Base plates (2 each), shall be welded to sides of signpost and stub post flanges.

ALTERNATE NUMBER 2 - Base plate (1 each), shall be welded to end of signpost and stub post by continuous fillet weld. When fully assembled, the bolt holes and notches in the stub post plate and the signpost plate shall be properly matched and aligned.

Contract Item:

Steel Breakaway Sign Posts for Type B Signs (RD-21A)

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RD-21A

REVISION: Remove reference to zinc rich paint; remove notes covered in the Specifications Book; change title.	REVISION NO. 8
APPROVED BY DESIGN METHODS ENGINEER <i>William J. Steen</i>	REVISION DATE 04-19-05

BREAKAWAY SIGN POST