

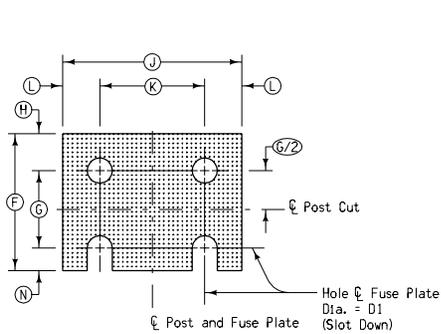
ALTERNATE NUMBER 2 ONLY:

If post is to be transported after cut is made, a "splice plate" shall be bolted to front of post to prevent damage to the post.

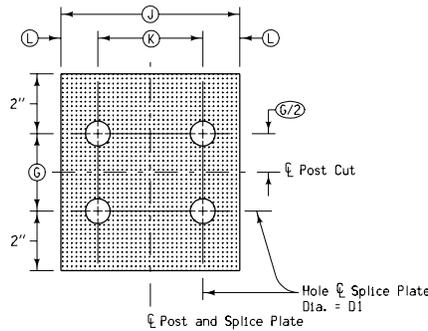
Alternate 1  
(With Splice Plate)

Alternate 2  
(One-Piece Post)

DETAILS OF FUSE PLATE ASSEMBLY



FUSE PLATE  
(Thickness T3)



SPLICE PLATE  
(Thickness T4)

Bolt Size	Torque
1/2"	100 Ft. Lbs.
5/8"	180 Ft. Lbs.
3/4"	320 Ft. Lbs.
7/8"	470 Ft. Lbs.

FUSE AND SPLICE PLATE DATA											
Post Size	Bolt Dia.	F	G	H	J	K	L	N	D1	T3	T4
W6x9	1/2"	3 3/8"	2"	1 1/8"	4"	2 1/4"	7/8"	1 1/2"	5/8"	1/4"	1/4"
W6x12	5/8"	3 3/8"	2"	1 1/8"	4"	2 1/4"	7/8"	5/8"	1 1/8"	3/8"	1/4"
W6x15	3/4"	4 1/2"	2 1/2"	1 1/4"	6"	3 1/2"	1 1/4"	3/4"	1 1/8"	1/2"	1/4"
W8x18	3/4"	4 1/2"	2 1/2"	1 1/4"	5 1/4"	2 3/4"	1 1/4"	3/4"	1 1/8"	1/2"	3/8"
W8x21	7/8"	4 7/8"	2 1/2"	1 1/2"	5 1/4"	2 3/4"	1 1/4"	7/8"	1 1/8"	5/8"	3/8"
W10x22	7/8"	5 3/8"	3"	1 1/2"	5 3/4"	2 3/4"	1 1/2"	7/8"	1 1/8"	5/8"	3/8"
W10x26	7/8"	5 3/8"	3"	1 1/2"	5 3/4"	2 3/4"	1 1/2"	7/8"	1 1/8"	5/8"	3/8"
W12x26	7/8"	5 3/8"	3"	1 1/2"	6 1/2"	3 1/2"	1 1/2"	7/8"	1 1/8"	5/8"	3/8"

Iowa Department of Transportation  
Highway Division

**STANDARD ROAD PLAN RD-21B**

REVISION: Remove ref. to zinc rich paint; correct T4 in table for W8x18; remove notes covered in Spec. Book; change title.

REVISION NO. 5

REVISION DATE 04-19-05

APPROVED BY DESIGN METHODS ENGINEER  
*William J. Allen*

FUSE PLATE ASSEMBLY  
(FOR BREAKAWAY SIGN POST)