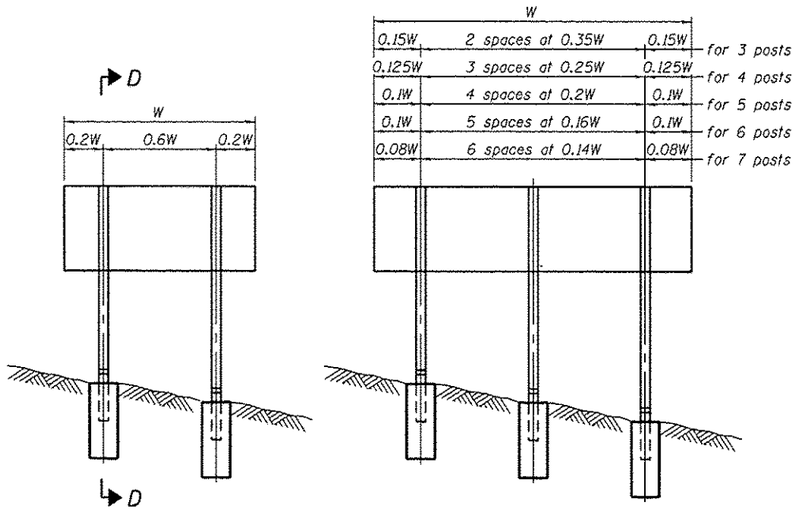
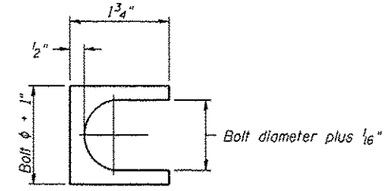




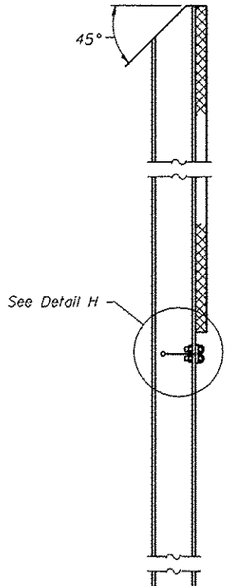


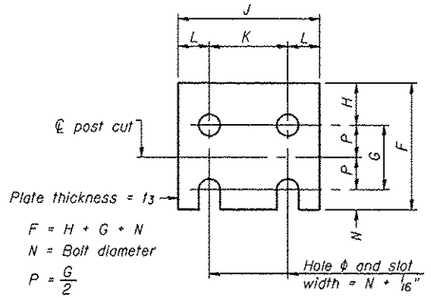
ELEVATION




SHIM DETAIL

Furnish two 0.01" thick and two 0.03" thick stainless steel or brass (ASTM B36) shims per post.

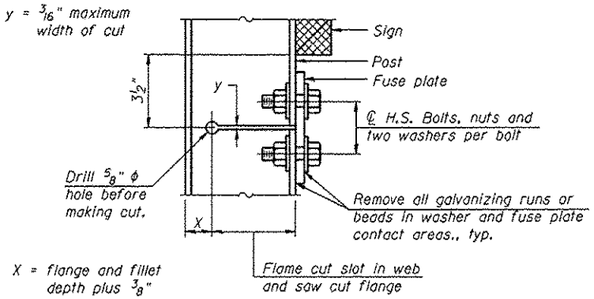


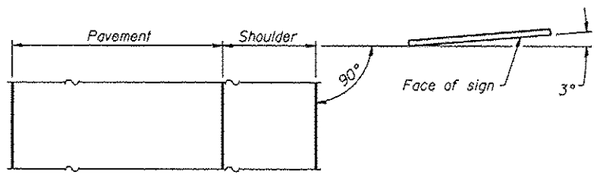

FUSE PLATE DETAIL

(Install with notches down.)

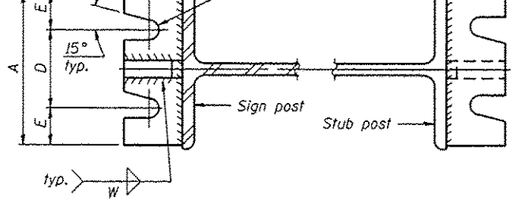
| FUSE PLATE DATA | | |
|---|---|---|
| N = Bolt Diameter | G | H |
| 1/2" | 2" | 1 1/8" |
| 5/8" | 2 1/4" | 1 1/4" |
| 3/4" | 2 1/2" | 1 3/8" |
| 7/8" | 2 3/4" | 1 1/2" |
| 1" | 3" | 1 5/8" |
| 1 1/8" | 3 1/4" | 1 3/4" |
| 1 1/4" | 3 1/2" | 1 7/8" |



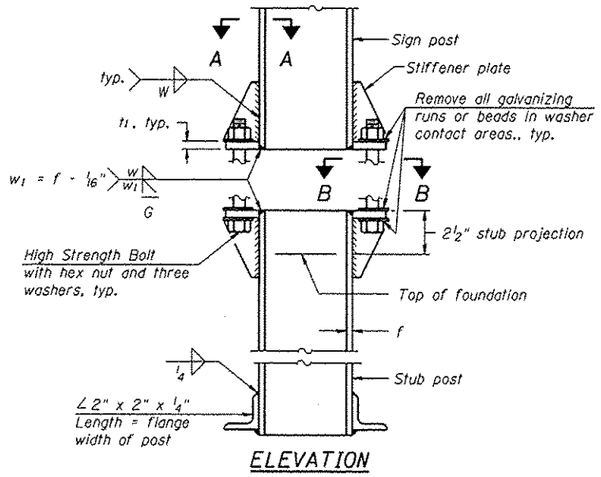

DETAIL H



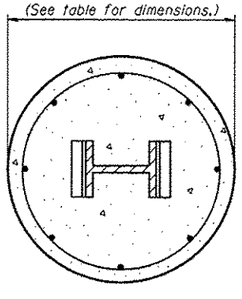

LOCATION SKETCH



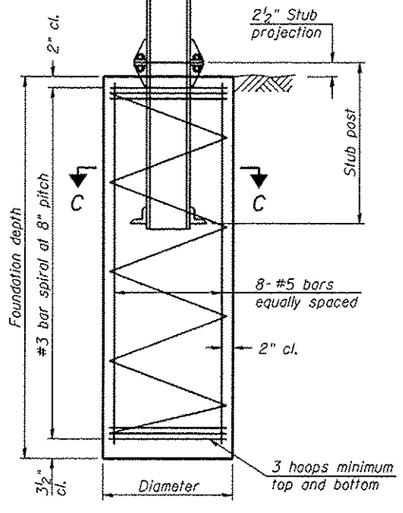

SECTION A-A SECTION B-B



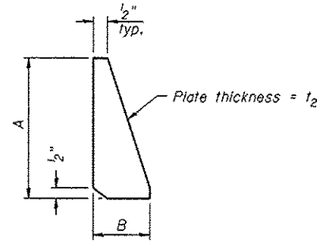

ELEVATION
SIGN POST & STUB POST




SECTION C-C




SECTION D-D




STIFFENER PLATE DETAIL

Diameter

## GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

* D-5 OVD SIN STR REPL 2013-09

BAW-A-1 6-1-12

(Sheet 1 of 2)

| | | | |
|---|---|---|---|
| FILE NAME = c:\pw_work\pwidot\buckleyjj\d0308231\D546222-Sht-Details.dgn | USER NAME = buckleyjj | DESIGNED - JAL | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 40.0000 ' / in. | CHECKED - | REVISED - |
| | PLOT DATE = 6/22/2012 | DATE - 04/26/11 | REVISED - |

**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS**

SCALE: | SHEET NO. 16 OF 17 SHEETS | STA. | TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 74 | * | CHAMPAIGN | 50 | 49 |
| | | CONTRACT NO. 46222 | | |
| | | ILLINOIS FED. AID PROJECT | | |