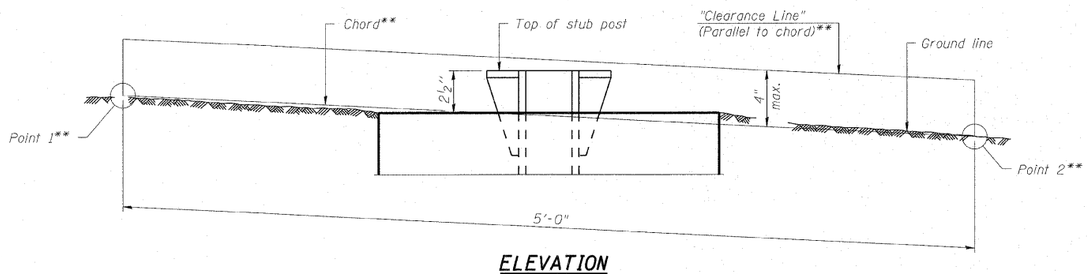
| POST | CONCRETE FOUNDATION TABLE | | | | | | | | POST TO STUB POST CONNECTION DATA | | | | | | | | | | FUSE PLATE DATA | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Foundation | | | Reinforcement | | | | Stub Post | | | | | | | | | | | | | | |
| | Diameter | *Minimum Depth | Concrete (1) cu. yds.) | Vertical Bars Length | Bar Spirals Diameter | Bar Spirals Length | lbs. (2) | Length | Bolt Size | A | B | C | D | E | $t_1$ | $t_2$ | R | W | J | K | L | $t_3$ |
| W6x9 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8½" | 79'-0" | 78 | 2'-3" | ⅝" x 3¼" | 6" | 2¼" | 1¼" | 3½" | 1¼" | ¾" | ½" | 11/32" | ¼" | 4" | 2¼" | ⅞" | ¼" |
| W6x15 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8½" | 79'-0" | 78 | 2'-6" | ⅝" x 3¼" | 6" | 2¼" | 1¼" | 3½" | 1¼" | ¾" | ½" | 11/32" | ¼" | 6" | 3½" | 1¼" | ⅜" |
| W8x18 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8½" | 79'-0" | 78 | 2'-6" | ¾" x 3¾" | 6" | 2½" | 1⅜" | 3¼" | 1⅜" | 1" | ½" | 13/32" | 5/16" | 5¼" | 2¾" | 1¼" | ⅜" |
| W10x22 | 2'-6" | 6'-6" | 1.18 | 6'-3" | 2'-2½" | 105'-0" | 92 | 3'-0" | ¾" x 3¾" | 6" | 2½" | 1⅜" | 3¼" | 1⅜" | 1" | ½" | 13/32" | 5/16" | 5¾" | 2¾" | 1½" | ½" |
| W10x26 | 2'-6" | 7'-0" | 1.27 | 6'-9" | 2'-2½" | 112'-0" | 98 | 3'-0" | ⅞" x 4" | 7" | 2¾" | 1½" | 4" | 1½" | 1" | ¾" | 15/32" | ⅜" | 5¾" | 2¾" | 1½" | ⅝" |
| W12x26 | 2'-6" | 7'-9" | 1.41 | 7'-6" | 2'-2½" | 119'-0" | 107 | 3'-0" | ⅞" x 4" | 7" | 2¾" | 1½" | 4" | 1½" | 1" | ¾" | 15/32" | ⅜" | 6½" | 3½" | 1½" | ⅝" |
| W14x30 | 3'-0" | 7'-3" | 1.90 | 7'-0" | 2'-8½" | 145'-0" | 113 | 3'-0" | ⅞" x 4" | 7" | 2¾" | 1½" | 4" | 1½" | 1" | ¾" | 15/32" | ⅜" | 6¾" | 3½" | 1⅝" | ½" |
| W14x38 | 3'-0" | 8'-0" | 2.09 | 7'-9" | 2'-8½" | 153'-0" | 122 | 3'-6" | 1" x 4½" | 7½" | 3" | 1¾" | 4" | 1¾" | 1¼" | ¾" | 17/32" | ⅜" | 6¾" | 3½" | 1⅝" | ½" |
| W16x45 | 3'-0" | 8'-6" | 2.23 | 8'-3" | 2'-8½" | 162'-0" | 130 | 3'-6" | 1" x 4½" | 7½" | 3" | 1¾" | 4" | 1¾" | 1¼" | ¾" | 17/32" | ⅜" | 7" | 3½" | 1¾" | ½" |

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

| POST | FUSE PLATE BOLT SIZE | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sign Height | | | | | | | | | | | | | | | | | | | | |
| | 4'-0" | 5'-0" | 6'-0" | 7'-0" | 8'-0" | 9'-0" | 10'-0" | 11'-0" | 12'-0" | 13'-0" | 14'-0" | 15'-0" | 16'-0" | 17'-0" | 18'-0" | 19'-0" | 20'-0" | 21'-0" | 22'-0" | 23'-0" | 24'-0" |
| W6x9 | ½" x 1½" | ½" x 1½" | ½" x 1½" | ½" x 1½" | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| W6x15 | ½" x 1¾" | ½" x 1¾" | ½" x 1¾" | ⅝" x 2" | ⅝" x 2" | ¾" x 2" | ¾" x 2" | ¾" x 2" | ¾" x 2" | — | — | — | — | — | — | — | — | — | — | — | — |
| W8x18 | ½" x 1¾" | ½" x 1¾" | ½" x 1¾" | ½" x 1¾" | ⅝" x 2" | ⅝" x 2" | ¾" x 2" | ¾" x 2" | ¾" x 2" | ¾" x 2" | — | — | — | — | — | — | — | — | — | — | — |
| W10x22 | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2" | ⅝" x 2" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | — | — | — | — | — | — | — | — |
| W10x26 | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2¼" | ⅝" x 2¼" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | — | — | — | — | — | — | — |
| W12x26 | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2¼" | ⅝" x 2¼" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | — | — | — | — | — | — |
| W14x30 | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2" | ⅝" x 2" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | ¾" x 2¼" | — | — | — | — |
| W14x38 | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2¼" | ⅝" x 2¼" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ¾" x 2½" | ⅞" x 2½" | ⅞" x 2½" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" |
| W16x45 | — | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ½" x 2" | ⅝" x 2¼" | ⅝" x 2¼" | ⅝" x 2¼" | ¾" x 2½" | ¾" x 2½" | ⅞" x 2½" | ⅞" x 2½" | ⅞" x 2½" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" | 1" x 2¾" |




**ELEVATION**
**GROUND LINE & STUB POST**

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

(1) Quantity includes all concrete necessary for one foundation.

(2) Includes reinforcement bars and spiral hooping for one foundation.

BAW-A-2 1-20-11

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USER NAME = 231ukb
PLOT SCALE = 4.5000 ' / IN.
PLOT DATE = 4/4/2011

| | | |
|---|---|---|
| DESIGNED - DJS | REVISED - | |
| DRAWN - UKB | REVISED - | |
| CHECKED - RWL | REVISED - | |
| DATE - 11-8-10 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BREAK-AWAY WIDE FLANGE**
**STEEL SIGN POST TABLES**
(Sheet 2 of 2)

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

| F.A.I RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 55 | 99 (1&2) RS-11 | WILL | 115 | 111 |
| | | CONTRACT NO. 60153 | | |
| | | ILLINOIS FED. AID PROJECT | | |