

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | | |
|---------------------|---------|----------|------------------|-------------|
| ROUTE NO. | SECTION | COUNTY | SHEET NO. | SHEET TOTAL |
| 788 | 520-2-2 | MADISON | 173 | 130 |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

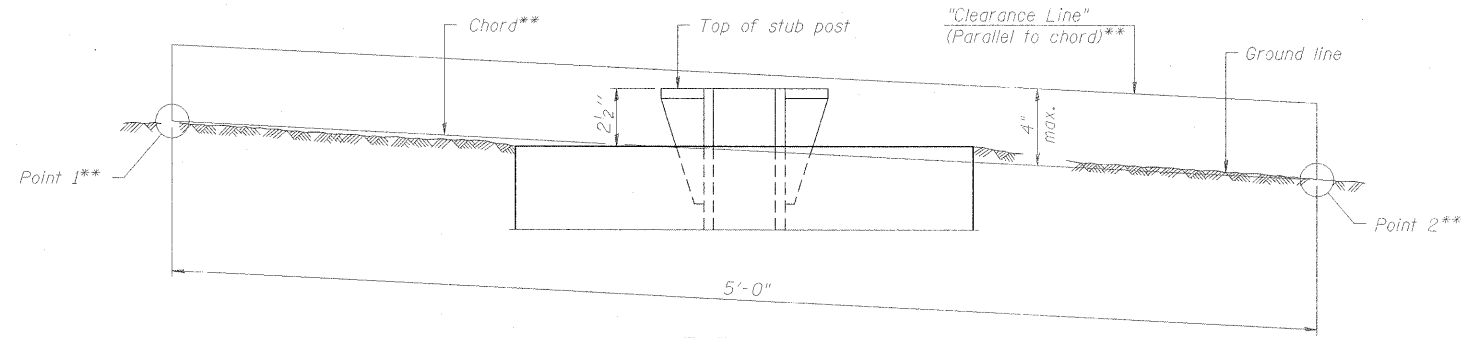
Sheet No. 2
Of 2 Sheets

Contract No. 76633

| POST | CONCRETE FOUNDATION TABLE | | | | | | | POST TO STUB POST CONNECTION DATA | | | | | | | | | | FUSE PLATE DATA | | | | |
|--------|---------------------------|---------------|-----------------------|----------------------|----------------------|--------------------|------------------|-----------------------------------|-------------|--------|--------|--------|--------|----------------|----------------|------|--------|-----------------|--------|--------|----------------|----------|
| | Foundation | | | Reinforcement | | | Stub Post Length | Bolt Size | A | B | C | D | E | t ₁ | t ₂ | R | W | J | K | L | t ₃ | |
| | Diameter | Minimum Depth | Concrete (1) cu. yds. | Vertical Bars Length | Bar Spirals Diameter | Bar Spirals Length | | | | | | | | | | | | | | | | lbs. (2) |
| W6x9 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8 1/2" | 79'-0" | 78 | 2'-3" | 5/8" x 3/4" | 6" | 2 1/4" | 1 1/4" | 3 1/2" | 1 1/4" | 3/4" | 1/2" | 11/32" | 1 1/4" | 4" | 2 1/4" | 7/8" | 1 1/4" |
| W6x15 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8 1/2" | 79'-0" | 78 | 2'-6" | 5/8" x 3/4" | 6" | 2 1/4" | 1 1/4" | 3 1/2" | 1 1/4" | 3/4" | 1/2" | 11/32" | 1 1/4" | 6" | 3 1/2" | 1 1/4" | 3/8" |
| W8x18 | 2'-0" | 6'-0" | 0.70 | 5'-9" | 1'-8 1/2" | 79'-0" | 78 | 2'-6" | 3/4" x 3/4" | 6" | 2 1/2" | 1 3/8" | 3 1/4" | 1 3/8" | 1" | 1/2" | 13/32" | 5/16" | 5 1/4" | 2 3/4" | 1 1/4" | 3/8" |
| W10x22 | 2'-6" | 6'-6" | 1.18 | 6'-3" | 2'-2 1/2" | 105'-0" | 92 | 3'-0" | 3/4" x 3/4" | 6" | 2 1/2" | 1 3/8" | 3 1/4" | 1 3/8" | 1" | 1/2" | 13/32" | 5/16" | 5 3/4" | 2 3/4" | 1 1/2" | 1/2" |
| W10x26 | 2'-6" | 7'-0" | 1.27 | 6'-9" | 2'-2 1/2" | 112'-0" | 98 | 3'-0" | 7/8" x 4" | 7" | 2 3/4" | 1 1/2" | 4" | 1 1/2" | 1" | 3/4" | 15/32" | 3/8" | 5 3/4" | 2 3/4" | 1 1/2" | 5/8" |
| W12x26 | 2'-6" | 7'-9" | 1.41 | 7'-6" | 2'-2 1/2" | 119'-0" | 107 | 3'-0" | 7/8" x 4" | 7" | 2 3/4" | 1 1/2" | 4" | 1 1/2" | 1" | 3/4" | 15/32" | 3/8" | 6 1/2" | 3 1/2" | 1 1/2" | 5/8" |
| W14x30 | 3'-0" | 7'-3" | 1.90 | 7'-0" | 2'-8 1/2" | 145'-0" | 113 | 3'-0" | 7/8" x 4" | 7" | 2 3/4" | 1 1/2" | 4" | 1 1/2" | 1" | 3/4" | 15/32" | 3/8" | 6 3/4" | 3 1/2" | 1 5/8" | 1/2" |
| W14x38 | 3'-0" | 8'-0" | 2.09 | 7'-9" | 2'-8 1/2" | 153'-0" | 122 | 3'-6" | 1" x 4 1/2" | 7 1/2" | 3" | 1 3/4" | 4" | 1 3/4" | 1 1/4" | 3/4" | 17/32" | 3/8" | 6 3/4" | 3 1/2" | 1 5/8" | 1/2" |
| W16x45 | 3'-0" | 8'-6" | 2.23 | 8'-3" | 2'-8 1/2" | 162'-0" | 130 | 3'-6" | 1" x 4 1/2" | 7 1/2" | 3" | 1 3/4" | 4" | 1 3/4" | 1 1/4" | 3/4" | 17/32" | 3/8" | 7" | 3 1/2" | 1 3/4" | 1/2" |

*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 | 1/2" x 1 1/2" | 1/2" x 1 1/2" | 1/2" x 1 1/2" | 1/2" x 1 1/2" | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W6x15 | 1/2" x 1 3/4" | 1/2" x 1 3/4" | 1/2" x 1 3/4" | 5/8" x 2" | 5/8" x 2" | 3/4" x 2" | 3/4" x 2" | 3/4" x 2" | 3/4" x 2" | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W8x18 | 1/2" x 1 3/4" | 1/2" x 1 3/4" | 1/2" x 1 3/4" | 5/8" x 2" | 5/8" x 2" | 3/4" x 2" | 3/4" x 2" | 3/4" x 2" | 3/4" x 2" | 3/4" x 2" | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W10x22 | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2" | 5/8" x 2" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | --- | --- | --- | --- | --- | --- | --- |
| W10x26 | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" |
| W12x26 | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" |
| W14x30 | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" | 3/4" x 2 1/4" |
| W14x38 | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" | 3/4" x 2 1/2" |
| W16x45 | --- | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 1/2" x 2" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" | 5/8" x 2 1/4" |



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.

Sheet 8 of 8

BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGN DETAILS

FAP ROUTE 788
SECTION 520-2-2
MADISON COUNTY

(Sheet 2 of 2)

| NUMBER | REVISION | DATE |
|--------|----------|------|
| | | |
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| | | |
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BAW-A-2

6/01/2007