NOTES:
1. SEE SIGNING ERECTION SPECIFICATIONS FOR DIMENSIONS OF EACH SIGN INSTALLATION.
2. INSTALL BREAKAWAY SUPPORT SYSTEM PER MANUFACTURERS INSTRUCTIONS.
3. USE ANCHOR TEMPLATE TO HOLD ANCHORS SOLID AND LEVEL.
4. NO PART OF THE FOUNDATION OR NON-BREAKAWAY PART OF THE BASE SHOULD PROVIDE MORE THAN 3" ABOVE THE GROUND SURFACE.
5. FOUNDATION REINFORCING STEEL CAGE MAY BE WELDED IF THE REINFORCING STEEL CONFORMS TO ASTM A706/A706M AND ALL WELDING CONFORMS TO ANSI/AWS D1.4 (STRUCTURAL WELDING CODE - REINFORCING STEEL).
6. CURE FOUNDATIONS FOR A MINIMUM OF 7 DAYS BEFORE ANY LOADING IS APPLIED.
7. DRAWING NOT TO SCALE.

FOUNDATION IN SOLID BEDROCK NOTES:
A. IF DEPTH TO BEDROCK IS LESS THAN 36", NOTIFY THE ENGINEER IN CHARGE OF THE FOUNDATION MAY BE REQUIRED.
B. SOCKET VERTICAL REINFORCING STEEL FOR THE DEPTH SHOWN IN POLE FOUNDATION.
C. CEMENT (TYPE I) MATERIAL QUANTITIES. DRILL 2 INCH MINIMUM DIAMETER HOLES WITH COUPLING 2" TYPICAL DIAMETER HOLES. FILL DRILLED HOLES WITH GROUT, TYPE "B", CLASS "D".
D. PLACE AND COMPACT BACKFILL IN ACCORDANCE TO SUBSECTION 210.03.
E. VERIFY THAT CAST-IN-PLACE FOUNDATION IS PLACED AGAINST FIELD-CAST CONCRETE IN AN AUGERED HOLE. USE CORRUGATED METAL PIPE AS A FORM FOR THE FOUNDATION OR COMPACT BACKFILL IN ACCORDANCE TO SUBSECTION 210.03.
F. IF DEPTH TO BEDROCK IS LESS THAN 36", USE A 4" OR 5" LONG HINGE AT THE TOP OF THE POLE FOUNDATION.

SIGN POST AND BASE ASSEMBLY INFORMATION

REVISIONS
Scales shown are for 11" x 17" prints only

IDAHO TRANSPORTATION DEPARTMENT
BOISE, IDAHO

STANDARD DRAWING B525
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE A

ORIGINAL DRAWING NO.
616-5
**Typical Sign Installation**

- **Location**: Boise, Idaho
- **Date**: December 2016
- **Designer**: Design/Traffic Services Engineer

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**Typical Foundation Location**

- **C**: Distance from edge of shoulder to center line of first post.
- **D**: Post spacing.
- **F1, F2**: Vertical distance from top of foundation to the elevation of the edge of the shoulder.
- **P1**: Total post length of first post.
- **P2**: Total post length of second post.
- **R1**: Length of first lower post (7' min).
- **R2**: Length of second lower post.
- **W**: Overall height of signs.
- **Y**: Distance from the top of the sign panel to the center of the upper slot.

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**Typical Sign Installation with Route Markers**

(W8 x 9 & W8 x 10 Sign Posts)

**Legend**
- **C**: Distance from edge of shoulder to center line of first post.
- **D**: Post spacing.
- **F1**: Vertical distance from top of foundation to the elevation of the edge of the shoulder.
- **P1**: Total post length of first post.
- **P2**: Total post length of second post.
- **R1**: Length of first lower post (7' min).
- **R2**: Length of second lower post.
- **W**: Overall height of signs.
- **Y**: Distance from the top of the sign panel to the center of the upper slot.

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**Notes**:
- Increase "Y" dimension 12½" by when a 24" x 12" auxiliary sign is mounted above the route markers attached to the sign brackets.

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**Prints Only**

- Are for 11" x 17" scales shown.
- (W8 X 9 & W8 X 10 Sign Posts)

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**Breakaway Steel Sign Post Installation**

**Type A**

**English**

**Standard Drawing Number**: 616-5

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**Revisions**

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**Original Signed by**: Ted Mason

**Design/Traffic Services Engineer**