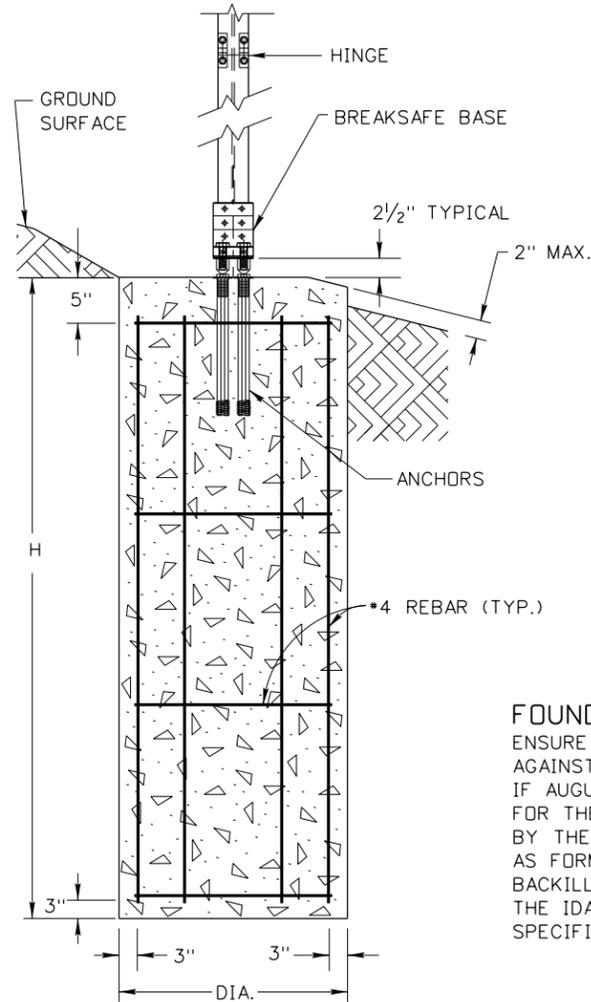
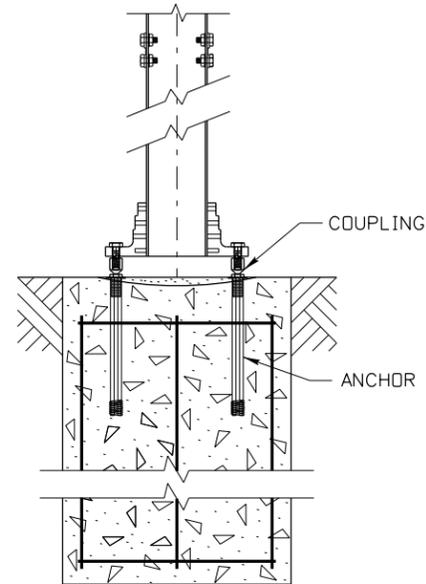


TYPICAL FOUNDATION TOP VIEW



FRONT VIEW



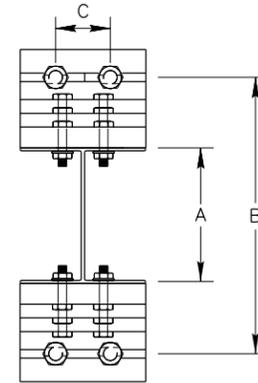
SIDE VIEW

FOUNDATION NOTE:

ENSURE CAST-IN-PLACE FOUNDATION IS PLACED AGAINST IN-SITU (NATIVE) SOILS IN AUGERED HOLE. IF AUGURED HOLE IS NOT POSSIBLE, EXCAVATION FOR THE FOUNDATION CAN BE DONE IF APPROVED BY THE ENGINEER. USE CORRUGATED METAL PIPE AS FORM FOR THE FOUNDATION. PLACE AND COMPACT BACKFILL IN ACCORDANCE TO SUBSECTION 210.03 OF THE IDAHO TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

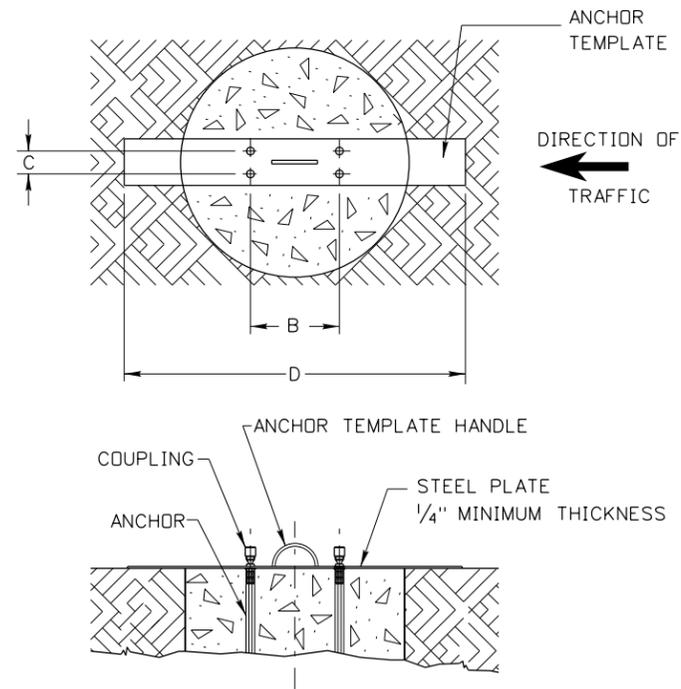
FOUNDATION MATERIAL QUANTITIES

FOUNDATION SIZE	CONCRETE	VERTICAL RODS		HOOPS	
		NO.	LN. FT.	NO.	LN. FT.
24" X 60"	0.6 CU. YDS.	6	26	4	20.85
30" X 84"	1.3 CU. YDS.	6	38	4	27.13
36" X 96"	2.1 CU. YDS.	8	60	5	41.77



POST TYPE	WIDE FLANGE BEAM POST SIZE	WEIGHT LBS. PER FOOT	BREAKSAFE ASSEMBLY MODEL	FOUNDATION SIZE DIA. X H	A DIMENSION	B DIMENSION	C DIMENSION	D ANCHOR TEMPLATE DIMENSIONS
A-1	W6 X 9	9	A16	24" X 60"	5 7/8"	9 3/8"	4 1/4"	6" x 36" x 1/4"
A-2	W8 X 10	10	B525	30" X 84"	7 7/8"	15 7/8"	3"	6" x 40" x 1/4"
A-3	W8 X 13	13	B525	30" X 84"	8"	16"	3"	6" x 40" x 1/4"
A-4	W8 X 18	18	B525	30" X 84"	8 1/8"	16 1/8"	3"	6" x 40" x 1/4"
A-8	W12 X 19	19	B650	36" X 96"	12 1/8"	20 1/8"	4"	6" x 48" x 1/4"
A-9	W14 X 22	22	B650	36" X 96"	13 3/4"	21 3/4"	4"	6" x 48" x 1/4"

SIGN POST AND BASE ASSEMBLY INFORMATION



TYPICAL ANCHOR TEMPLATE FOR TYPE A SIGN POSTS

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 THE ANCHORS SOLID AND LEVEL.
4. NO PART OF THE FOUNDATION OR NON-BREAKAWAY PART OF THE BASE SHOULD PROTRUDE MORE THAN 2" ABOVE THE GROUND SURFACE.
5. FOUNDATION REBAR CAGES MAY BE WELDED IF THE REBAR 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.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY: RYAN D. LANCASTER DATE ORIGINAL SIGNED: MAY 28, 2015

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: i8a_0515.dgn

DRAWING DATE: MAY, 2015

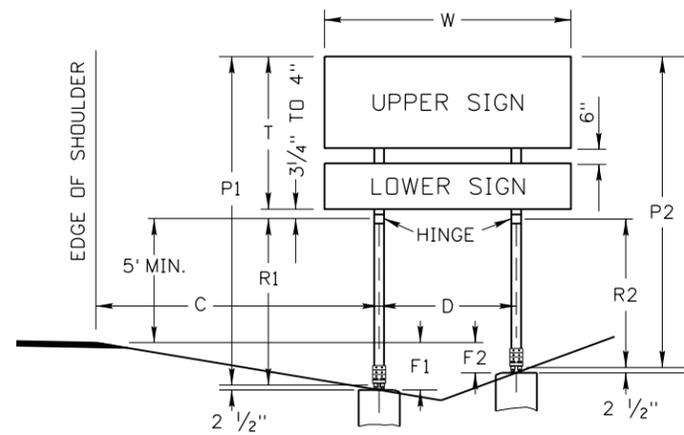
IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

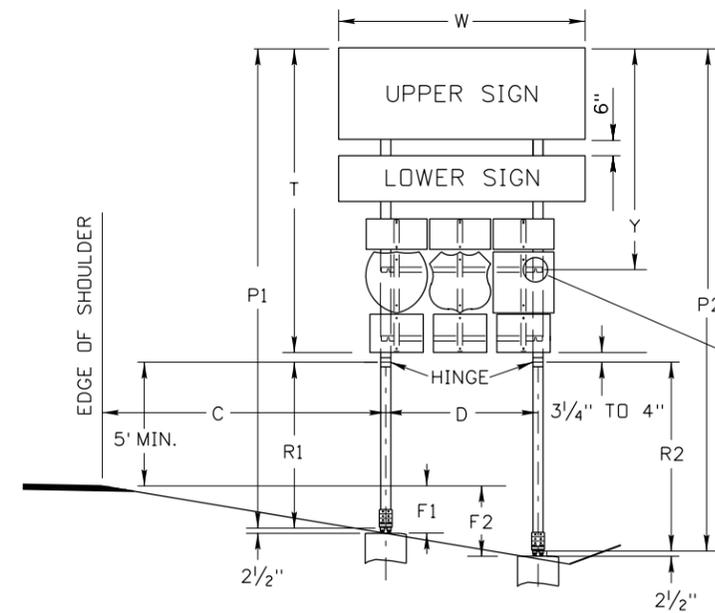
ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE A
REQUIRES SHEET 2 OF 2

English
STANDARD DRAWING NO.
I-8-A
SHEET 1 OF 2



TYPICAL SIGN INSTALLATION

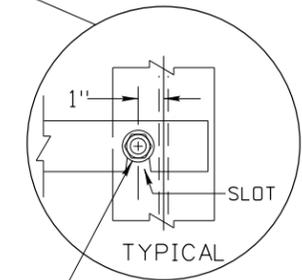


TYPICAL SIGN INSTALLATION WITH ROUTE MARKERS (W8 X 9 & W8 X 10 SIGN POSTS)

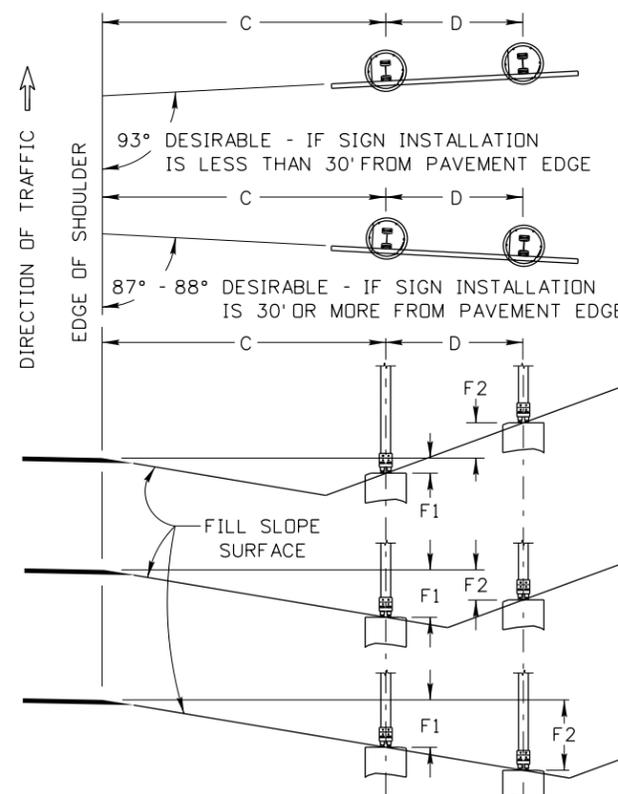
NO. OF SIGNS	SIGN PANEL HEIGHT	Y
1	2'-0"	3'-1"
1	3'-0"	4'-1"
2	2'-0"	5'-7"
2	3'-0"	7'-7"
2	2'-0"	6'-7"
2	3'-0"	6'-7"

NOTE:
INCREASE "Y" DIMENSION 12 1/2" BY WHEN A 24" x 12" AUXILIARY SIGN IS MOUNTED ABOVE THE ROUTE MARKERS ATTACHED TO THE SIGN BRACKETS.

Y DIMENSION INFORMATION



5/16" BOLT WITH WASHERS



TYPICAL FOUNDATION LOCATION

LEGEND

- 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.
- T OVERALL HEIGHT OF SIGN(S).
- W OVERALL WIDTH OF SIGN(S).
- Y DISTANCE FROM THE TOP OF THE SIGN PANEL TO THE CENTER OF THE UPPER SLOT.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

ORIGINAL SIGNED BY: RYAN D. LANCASTER DATE ORIGINAL SIGNED: MAY 28, 2015

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: i8a_0515.dgn
DRAWING DATE: MAY, 2015

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
BREAKAWAY STEEL SIGN POST INSTALLATION TYPE A
REQUIRES SHEET 1 OF 2

English
STANDARD DRAWING NO.
I-8-A
SHEET 2 OF 2