



Florida Department of Transportation

RICK SCOTT
GOVERNOR

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ANANTH PRASAD, P.E.
SECRETARY

June 3, 2013

This Memo Has Expired

DCE MEMORANDUM 12-13
(FHWA Approved: 6/3/2013)

TO: DISTRICT CONSTRUCTION ENGINEERS

FROM: David A. Sadler, P.E., Director, Office of Construction

A blue ink signature of David A. Sadler, P.E., written over the 'FROM:' line.

COPIES: Tom Byron, Bob Burlison, Rudy Powell, Chad Thompson, Rafiq Darji, Caitlin Alcorn, Chester Henson, Stefanie Maxwell

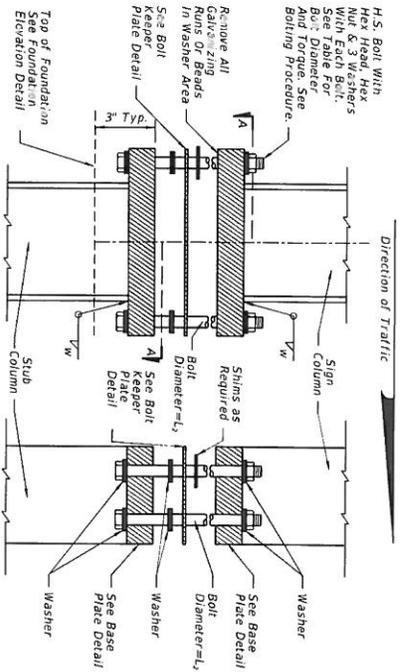
SUBJECT: CORRECTION TO DESIGN STANDARD, INDEX 11200

In July 2010, the breakaway base in Design Standards, Index 11200 (Multi-Column Ground Sign) was modified. The stiffeners and small base plates that were welded on each side of the sign column and stub column were replaced with a large base plate welded to the sign column and the stub column. Since July 2010, additional modifications were made to delete column sections from the table, while others were added. Specifically, for July 2011 lettings and thereafter, the W8x18 Column Section was added to Index 11200 with an incorrect "B" dimension. The correct "B" dimension is 12 ½ inches, not the 11 ¼ inches provided in the table. The corrected dimension requires a larger keeper plate and a larger base plate for both the sign column and the stub column for the W8x18 Column Section.

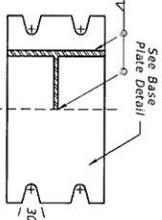
For projects with letting dates from July 2011 to January 2014, determine if the W8x18 Column Section is included in the Signing and Pavement Marking plans. If the W8x18 Column Section is included in the plans, modify the contract to replace Index 11200, Sheet 2 with the attached revision to Design Standard, Index 11200. This memorandum serves as a blanket approval to process a contract change and should be attached to the Work Order or Supplemental Agreement.

If you have any questions, please contact Stefanie Maxwell at 850-414-4314.

DAS/sm



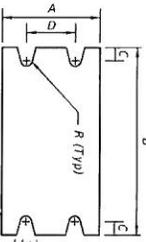
BASE CONNECTION



SECTION A-A



SHIM DETAIL



BOLT KEEPER PLATE

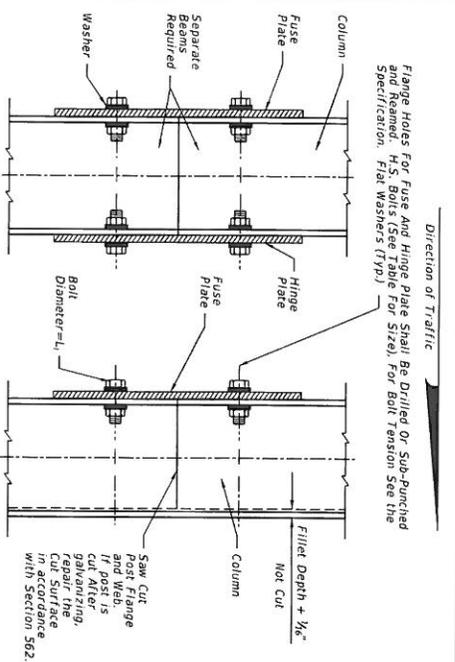
BASE PLATE

PROCEDURE FOR ASSEMBLY OF BASE CONNECTION

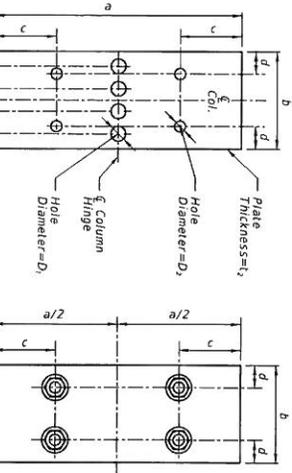
1. Assemble post to stub with bolts and flat washers as shown.
2. Shims as required to plumb post. (See shim detail).
3. Tighten all L₁ bolts the maximum possible with T-0^o to T-3^o wrench to dead washers and shims and to clean bolt threads.
4. Nut threads at junction with nut using a center punch to pre-went but loosening.

* Designations: Normal Depth in inches and weight in pounds per linear foot.

Section*	BASE CONNECTION DATA										FUSE (HINGE) PLATE DATA										SHIM				FOUNDATION DATA			
	A	B	C	D	R	t	L	w	Torque (lb-ft/in)	a	b	c	d	e	t	D ₁	D ₂	L	L	M	Dia.	Depth	Stub Length	Reinf. V				
S 3x5.7	4"	7"	3/4"	2"	5/16"	1"	1/2"	1.4"	90 ± 20	7-1/4"	2-3/8"	1-1/4"	1/2"	9/16"	3/8"	7/16"	9/16"	1/2"	1-1/4"	9/16"	2-0"	4-0"	3-0"	10-#6				
W 6x12	10"	10"	3/4"	2"	3/8"	1-5/8"	5/8"	1.4"	210 ± 45	7-1/4"	1-1/4"	1-1/4"	7/8"	13/16"	5/8"	13/16"	11/16"	1-1/16"	2-0"	6-0"	3-0"	10-#6	10-#6					
W 8x18	5-1/4"	12-1/2"	7/8"	2-3/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	8-1/4"	5-1/4"	1-3/8"	1-1/2"	1-1/2"	1"	13/16"	3/4"	2-4"	7-6"	4-0"	4-0"	8-#8	8-#8					
W 8x24	6-1/2"	12-1/2"	7/8"	3-1/4"	7/16"	1-3/4"	3/4"	3/8"	445 ± 75	8-1/4"	6-1/2"	1-3/8"	1-1/2"	1-1/2"	1"	13/16"	3/4"	2-4"	7-6"	4-0"	4-0"	8-#8	8-#8					
W 10x33	8"	16"	1-1/4"	4-3/4"	9/16"	2"	1"	1/2"	580 ± 90	9-1/4"	8"	2"	1-3/4"	1-3/4"	5/8"	1-1/8"	1-1/16"	2-4"	10-3"	4-0"	4-0"	8-#8	8-#8					
W 12x45	10"	18"	1-1/4"	6"	9/16"	2"	1"	1/2"	580 ± 90	11"	8"	2"	1-3/4"	1-3/4"	3/4"	1-5/16"	1-1/16"	1"	2-3/4"	1-1/16"	2-8"	11-3"	5-0"	10-#8				

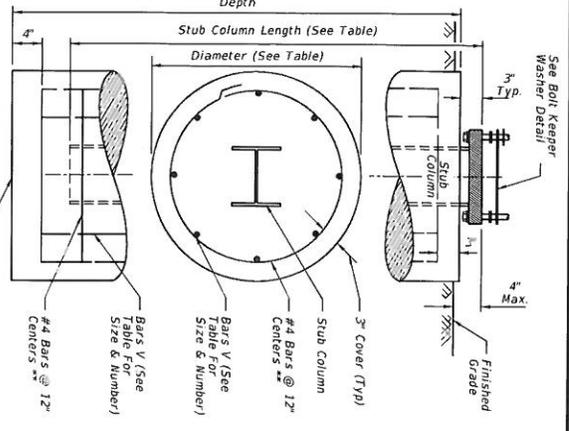


DETAIL B



FUSE PLATE

HINGE PLATE



FOUNDATION ELEVATION

NOTE: All Reinforcing To Be Grade 60.

1. The reinforcing bars conform to ASTM Specification A603/603M.
2. The shop welding is performed by machines under a continuous, controlled process.
3. The shop welding is performed by machines under a continuous, controlled process.
4. The shop welding is performed by machines under a continuous, controlled process.

LAST REVISION 07/01/13	DESCRIPTION:	FDOT 2014 DESIGN STANDARDS	INDEX NO. 11200	SHEET NO. 2 OF 3
STEEL POST, BASE, FOUNDATION & FUSE PLATE DETAILS		MULTI-COLUMN GROUND SIGN		