

**MATERIAL LIST FOR 6" AND 8" STEEL W-BEAM SIGN POSTS
OR 5" AND 6" SQUARE TUBE SIGN POSTS (B-525)**


ITEM	DESCRIPTION	QTY. POST	PART NO.
① BRACKET	6061 T6 ALUMINUM (SEE BRACKET SELECTION TABLE)	2	SBBK525-1A,-2A,-3A
② BOLT	TOP, 1/2" - 13 UNC x 2 1/2" HEX HD., A 325, GALV. A 153	4	S325BG5250
③ BOLT	MIDDLE, 1/2" - 13 UNC x 2 3/4" HEX HD., A 325, GALV. A 153	4	S325BG5275
④ BOLT	BOTTOM, 1/2" - 13 UNC x 3" HEX HD., A 325, GALV. A 153	4	S325BG5300
⑤ CAP SCREW	BRACKET, 1/2" - 13 UNC x 1 1/4" HEX HD., A 307, GALV. A 153	4	S307SG5125
⑥ LOCKWASHER	1/2", ANSI B 18-21-1, GALV. A 153	16	S100WGS150
⑦ NUT	1/2" - 13 UNC, HEAVY HEX, A 563 GR. DH, GALV. A 153	12	S563NGH500
⑧ SPECIAL BOLT	1" - 8 UNC, A 325, GALV. A 153	4	SBCSBB
⑨ COUPLING	1" - 8 UNC, LP., AMS 6378D*, GALV. A 153	4	SBCB1B
⑩ SHIM	1" HORSESHOE, 18 GAUGE, GALV. STEEL SHEET	2	S100WGS18
⑪ SHIM	1" HORSESHOE, 14 GAUGE, GALV. STEEL SHEET	2	S100WGS14
⑫ ANCHOR	1"-8 UNC, 304 STAINLESS STEEL FERRULE, AISI 1038 ROD & AISI 1008 COIL	4	SBABP
⑬ HINGE PLATE	TYPE B 525, AISI 4130, GALV. A 123	4	SBHB1B
⑭ BOLT	HINGE, 3/4" - 10 UNC x 2 1/2" HEX HD., A 325, GALV. A 153	8	S325BG7225
⑮ LOCKWASHER	3/4", ANSI B 18-21-1, GALV. A 153	8	S100WGS170
⑯ NUT	3/4" - 10 UNC, HEAVY HEX, A 563, GR. DH, GALV. A 153	8	S563NGH700

* WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES.

**MATERIAL LIST FOR 10", 12", 14", 16", 18" AND 21" STEEL W-BEAM
SIGN POSTS OR 7"AND 8" SQUARE TUBE SIGN POSTS (B-650)**

ITEM	DESCRIPTION	QTY. POST	PART NO.
① BRACKET	6061 T6 ALUMINUM (SEE BRACKET SELECTION TABLE)	2	SBBK650-1A,-2A,-3A
② BOLT	TOP, 5/8" - 11 UNC x 2 3/4" HEX HD., A 325, GALV. A 153	4	S325BG6275
③ BOLT	MIDDLE, 5/8" - 11 UNC x 3" HEX HD., A 325, GALV. A 153	4	S325BG6300
④ BOLT	BOTTOM, 5/8" - 11 UNC x 3 1/4" HEX HD., A 325, GALV. A 153	4	S325BG6325
⑤ CAP SCREW	BRACKET, 5/8" - 11 UNC x 1 1/4" HEX HD., A 307, GALV. A 153	4	S307SG6125
⑥ LOCKWASHER	5/8", ANSI B 18-21-1, GALV. A 153	16	S100WGS160
⑦ NUT	5/8" - 11 UNC, HEAVY HEX, A 536 GR. DH, GALV. A 153	12	S563NGH600
⑧ SPECIAL BOLT	1" - 8 UNC, A 325, GALV. A 153	4	SBCSBB
⑨ COUPLING	1" - 8 UNC, LP., AMS 6378D*, GALV. A 153	4	SBCB1B
⑩ SHIM	1" HORSESHOE, 18 GAUGE, GALV. STEEL SHEET	2	S100WGS18
⑪ SHIM	1" HORSESHOE, 14 GAUGE, GALV. STEEL SHEET	2	S100WGS14
⑫ ANCHOR	1" -8 UNC, 304 STAINLESS STEEL FERRULE, AISI 1038 ROD & AISI 1008 COIL	4	SBABP
⑬ HINGE PLATE	TYPE B 650, AISI 4130, GALV. A 123	4	SBHB2B
⑭ BOLT	HINGE, 3/4" - 10 UNC x 2 1/4" HEX HD., A 325, GALV. A 153	8	S325BG7225
⑮ LOCKWASHER	3/4", ANSI B 18-21-1, GALV. A 153	8	S100WGS170
⑯ NUT	3/4" - 10 UNC, HEAVY HEX, A 563, GR. DH, GALV. A 153	8	S563NGH700

* WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES.

SPECIFICATION 821		CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES BREAKAWAY BASE SUPPORT SYSTEM 'B' FOR HIGHWAY SIGNS
APPROVED _____ DIRECTOR - OFFICE OF TRAFFIC AND SAFETY			
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	
	APPROVAL 5-17-07	APPROVAL 5-2-07	
	REVISED	REVISED	
			STANDARD NO. MD 821.03-04