

### MATERIAL LIST FOR 6" AND 8" 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	S563NGH50D
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"-8UNC, 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	S563NGH70D

\* WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES.

### MATERIAL LIST FOR 10", 12" AND 14" (B-625)

ITEM	DESCRIPTION	QTY POST	PART NO.
① BRACKET	6061 T 6 ALUUMINUM (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	S563NGH60D
⑧ SPECIAL BOLT	1" - 8 UNC, A 325, GALV. A 153	4	SBCSBB
⑨ COUPLING	1" - 8 UNC, LP., AMS 6378D *, GALV. ASTM 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., ASTM 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	S563NGH70D

\* WITH EXCEPTIONS TO DECARBURIZATION AND MACROSTRUCTURE CLAUSES.

SPECIFICATION <b>821</b>	CATEGORY CODE ITEMS										
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY										
 <b>SHA</b> State Highway Administration	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">APPROVAL • SHA REVISIONS</td> <td style="width: 50%; padding: 2px;">APPROVAL • FEDERAL HIGHWAY ADMINISTRATION</td> </tr> <tr> <td style="padding: 2px;">APPROVAL <b>2-5-95</b></td> <td style="padding: 2px;">APPROVAL <b>2-5-95</b></td> </tr> <tr> <td style="padding: 2px;">REVISED <b>10-1-01</b></td> <td style="padding: 2px;">REVISED <b>2-1-01</b></td> </tr> <tr> <td style="padding: 2px;">REVISED</td> <td style="padding: 2px;">REVISED</td> </tr> <tr> <td style="padding: 2px;">REVISED</td> <td style="padding: 2px;">REVISED</td> </tr> </table>	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	APPROVAL <b>2-5-95</b>	APPROVAL <b>2-5-95</b>	REVISED <b>10-1-01</b>	REVISED <b>2-1-01</b>	REVISED	REVISED	REVISED	REVISED
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**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

### BREAKAWAY BASE SUPPORT SYSTEM FOR HIGHWAY SIGNS

**STANDARD NO.**

**MD 821.07**