

SIDE RETAINER

(2 required each side of pier). Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

For details of bars s(E),  $s_1(E)$  and  $s_2(E)$  see sheet S-15. The s(E),  $s_1(E)$  and  $s_2(E)$  bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. See sheet S-16 for Sections A-A, B-B, C-C, and D-D.

Cost of 30 Lb, roofing felt is included with Concrete Superstructure. The side retainer shall be galvanized after shop fabrication according to AASHTO M 111.

Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications.

Anchor bolts for side retainers may be either cast in place or installed

in holes drilled after the supporting member is in place and prior to pouring the deck.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of side retainer and anchor bolts shall be included with Concrete Structures.

All side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

t 22	SEC Group, Inc.
Struct	An HR Green Carrgany 420 N. Front Steed. McHenry, B. 80005-2136 L. 1813.83 (1776 J. 815.836.1781 www.macgoruspira.com McHenry, L. Yofschilla, L. New Lenox (LChicago, B.
.57	PB Americas, Inc.
ABLE:	230 WEST MONROE STREET,

SUITE 900

CHICAGO, IL. 60606

	USER NAME = whood	DESIGNED	-	MGH	REVISED	-
		CHECKED	-	SSM	REVISED	in the second se
i	PLOT SCALE =	DRAWN	-	WJH	REVISED	-
	PLOT DATE = 10/14/2011	CHECKED	-	RGD	REVISED	-
_						

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SUPERSTRUCTURE DETAILS STRUCTURE NO. 047–0051		SECTION	COUNTY	TOTAL	SHEET NO.	
		14BR-1	KENDALL	429	267	
			CONTRACT	NO. 6	6985	
SHEET NO. S-17 OF S-43 SHEETS		ILLINOIS FED. AID PROJECT				