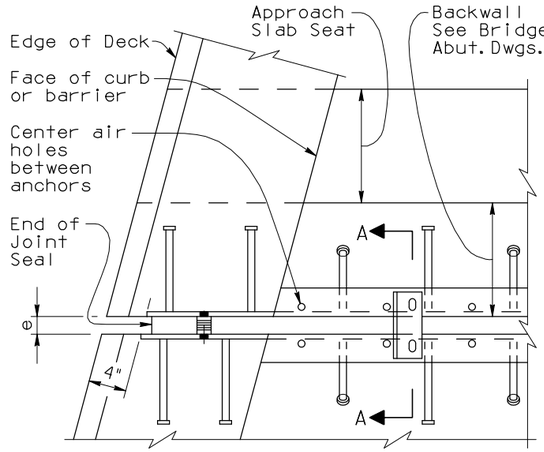
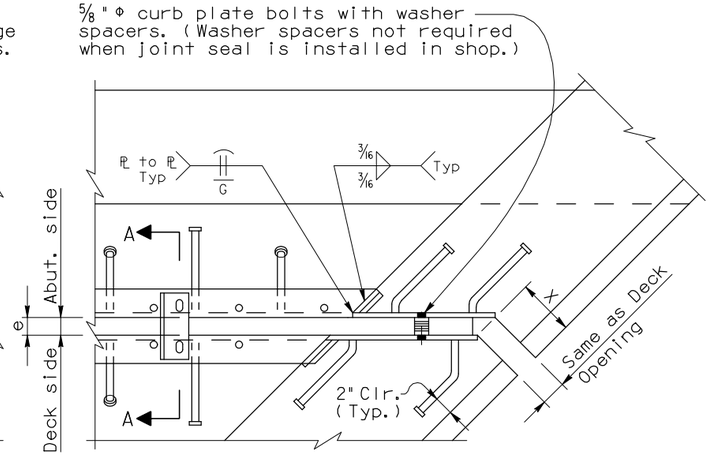
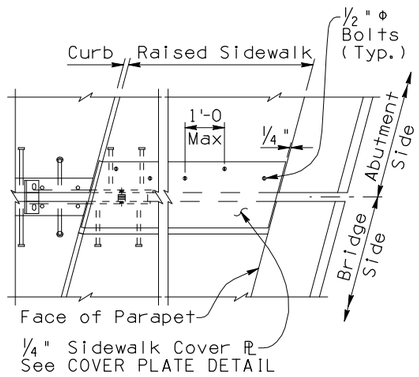


FOR SKEWS 0° THRU 20°

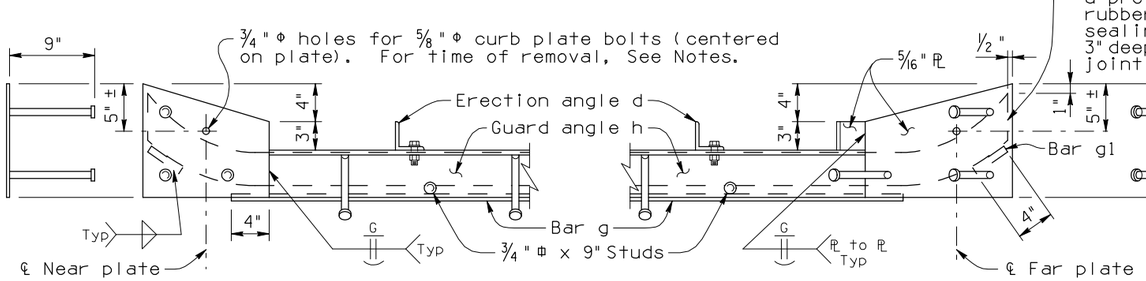


FOR SKEWS 21° THRU 45°

PLAN



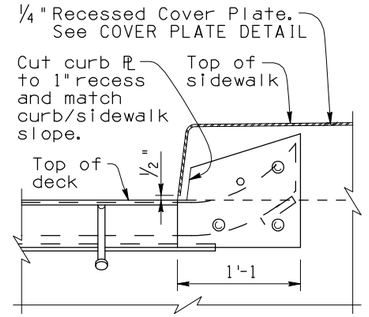
PLAN AT SIDEWALK



FOR SKEWS 0° THRU 20° FOR SKEWS 21° THRU 45°

ELEVATION

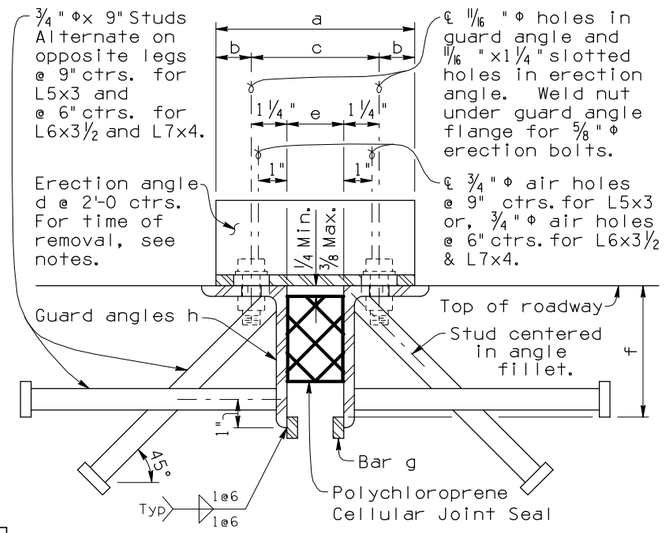
(Near angle shown, far angle similar)



ELEVATION AT SIDEWALK

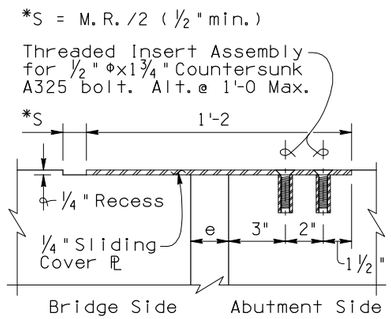
Polychloroprene Cellular Joint Seal (Nominal Dimensions)				
	2 x 2	3 x 3	4 x 4	5 x 5
a	6 1/2	7	7 1/2	8
b	1 3/8	1 5/16	1 1/4	1 1/4
c	3 3/4	4 3/8	5	5 1/2
d	L 2x2x1/4	L 3x3x3/8	L 3 1/2 x3 1/2 x3/8	L 4x4x3/8
e max	1.625	2.500	3.375	4.250
e min	0.875	1.250	1.625	1.750
f	3 5/8	4 5/8	5 5/8	6 5/8
g or g1	1/4 x3/4 bar	3/8 x3/4 bar	1/2 x3/4 bar	5/8 x3/4 bar
h	L 5x3x3/8	L 5x3x3/8	L 6x3 1/2 x3/8	L 7x4x1/2
M.R.	3/4	1 1/4	1 3/4	2 1/2

M.R. = Movement rating. The difference between the smallest and the largest width of seal in place.



SECTION A-A

Skew Angle	21°-33°	34°-36°	37°-40°	41°-43°	44°-45°
Dimension X	4"	4 1/2"	5"	5 1/2"	6"



COVER PLATE DETAIL

GENERAL NOTES:

Construction Specification - Arizona Department of Transportation Standard Specifications for Road and Bridge Construction, latest Edition.

Design Specifications - AASHTO LRFD Bridge Design Specifications, 4th Edition 2007.

Structural steel shall conform to ASTM A588 Grade 50 or A709 Grade 50W. Studs shall conform to ASTM A108 Grades 1015, 1018 or 1020.

Cellular joint seal shall meet the requirements of ADOT Std. Spec. 1011-5.

Sidewalk cover plate shall be galvanized A36 steel with non-slip (deformed) surface.

All welding shall conform to the requirements of the American Welding Society, ANSI/AASHTO/AWS D1.5 Bridge Welding Code, latest Edition.

Guard angles and cellular seal shall be one piece, without splices, for lengths 60 feet or less. For lengths over 60 feet or phase construction, guard angles and cellular seal may be two pieces butted together at crown or another location away from drainage.

Prior to installation of the seal and lubricant adhesive, steel contact surfaces with the seal shall be cleaned and prepared in accordance with the seal mfg. requirements.

Joint opening e shall be adjusted in the field for any variation of temperature above or below the mean temperature. See bridge drawings for mean temperature and temperature correction chart.

Erection angles and curb plate bolts shall be removed immediately after deck joint is fully encased in concrete (except curb or barrier concrete), and such concrete has attained it's initial set (2 hours ±).

Holes for curb plate bolts shall be plugged before placing curb/barrier concrete.

Dimensions shall not be scaled from drawings.

Item No.	Deck Joint Assembly	Measure
6011346	2x2 Compression Seal	LF
6011347	3x3 Compression Seal	LF
6011348	4x4 Compression Seal	LF
6011349	5x5 Compression Seal	LF

Note to Designer:
The information presented in this Standard Detail has been prepared in accordance with recognized engineering principles and is for general use. It should not be used for specific application without engineering verification of its suitability and applicability by a licensed professional engineer. Contents within the inner border line shall not be altered.

NO	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	Original Issue	S.L.H.	9-01
2	Drawing Number Change	S.L.H.	8-02
3	General Update	S.L.H.	6-09
4	.	.	.

DESIGN APPROVED Shafi U. Hasan

APPROVED FOR DISTRIBUTION Jean A. Nehme

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
BRIDGE GROUP STRUCTURE DETAIL

DECK JOINT ASSEMBLY COMPRESSION SEAL

ROUTE | PROJECT NO. | FA NO. | DRAWING NO. SD 3.01

LOCATION | SHEET NO. OF

1/5/2012 W:\DetailDwg\Docs\sd301_r0112.dgn