

LOCATION & DESIGNATION OF JOINTS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0291	COOK	344	192
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62581				

STRUCTURE NUMBER (SN)	LOCATION PIER	DESIGNATION 1 CROSS SECTIONS THRU JOINTS		EXISTING JOINT		LENGTH CONTR. TO EXP. (ft)	SKEW ANGLE (°)	PROPOSED JOINT		LENGTH ALONG C OF JOINT FACE TO FACE OF PARAPET	DESIGNATION 2 STAGED AND NON STAGED CONSTRUCTION	
		EXISTING	PROPOSED	TYPE	SIZE			TYPE	"A"			
016-1117	S. Abut.	2a	3	PJS	4"	88'-0"	9°39'0"	④	2 3/4"	31'-4 1/2"	B	
	1	4a	2	PJS	2 1/2"	Fixed	5°43'12"	②	1"	31'-0 3/8"	B	
	2	4b	4	PJS	4"	88'-0"	1°46'12"	④	2 3/4"	30'-10 3/8"	B	
	3	4b	4	PJS	4"	100'-0"	2°43'48"	④	2 3/4"	30'-11"	A	
	4	4b	4	PJS	4"	111'-6"	7°45'0"	④	2 3/4"	31'-1 7/8"	A	
	5	4b	4	PJS	4"	111'-6"	18°46'12"	④	2 3/4"	31'-7 3/4"	A	
	6	7	4	Neoprene	2"	75'-0"	16°8'60"	③	1 3/4"	32'-1 3/8"	A	
	7	7	4	Neoprene	2"	92'-0"	20°16'12"	④	2 3/4"	32'-10"	A	
	8	6	1	Neoprene	2"	168'-0"	23°16'12"	①	2 1/2"	33'-7"	A	
	11	1	1	PJS	2 1/2"	107'-0"	31°18'0"	①	2 1/2"	38'-6 1/4"	A	
	13	6	1	Neoprene	2"	64'-0"	34°55'12"	①	2 1/2"	41'-2 1/4"	B	
	15	1	1	PJS	2 1/2"	180'-0"	27°46'48"	①	2 1/2"	39'-7 3/4"	B	
	18	6	1	Neoprene	2"	188'-0"	19°10'12"	①	2 1/2"	76'-7 1/2"	B	
	19	7	4	Neoprene	2"	97'-0"	18°42'0"	④	2 3/4"	68'-8 1/8"	B	
	20	7	4	Neoprene	2"	97'-0"	18°42'0"	④	2 3/4"	66'-6 1/2"	B	
	21	7	4	Neoprene	2"	97'-0"	18°42'0"	④	2 3/4"	66'-6"	B	
	22	7	4	Neoprene	2"	97'-0"	18°42'0"	④	2 3/4"	66'-6"	B	
	23	7	4	Neoprene	2"	75'-0"	18°42'0"	④	2 3/4"	66'-0"	B	
	26	-	-	FPJ	4 1/2"	646'-0"	18°42'0"	FPJ	-	SEE NOTES	-	-
	016-1067	S. Abut.	2a	3	PJS	2 1/2"	76'-0"	17°42'0"	③	1 3/4"	47'-9 5/8"	B
		A2	6	1	Neoprene	2"	153'-0"	9°52'12"	①	2 1/2"	40'-7 5/8"	B
		A4	4b	4	PJS	2 1/2"	76'-0"	2°10'12"	③	1 3/4"	40'-0 5/8"	B
		A5	4b	4	PJS	2 1/2"	75'-0"	0°49'48"	③	1 3/4"	40'-0 1/4"	A
		A6	1	1	PJS	2 1/2"	143'-0"	4°49'12"	①	2 1/2"	40'-1 7/8"	A
		A9	1	1	PJS	2 1/2"	286'-0"	13°52'48"	①	2 1/2"	41'-3 1/4"	A
		A12	6	1	Neoprene	2"	92'-0"	17°38'0"	④	2 3/4"	46'-3 1/4"	A
A13		1	1	PJS	2 1/2"	94'-0"	46°15'0"	④	2 3/4"	65'-5"	B	
A15		1	1	PJS	2 1/2"	186'-0"	35°34'12"	①	2 1/2"	62'-3"	B	
3		6	1	Neoprene	4"	116'-0"	18°42'20"	①	2 1/2"	76'-4 1/2"	E	
016-1116 016-1115		1	6	1	Neoprene	4"	162'-0"	0°0'0"	①	2 1/2"	71'-5 1/2"	F
		5	6	1	Neoprene	4"	281'-0"	0°0'0"	①	2 1/2"	85'-2 1/2"	F
	8	4b	4	PJS	2 1/2"	119'-0"	0°0'0"	④	2 3/4"	52'-10 1/2"	F	
	9	6	1	Neoprene	2"	150'-0"	0°42'0"	①	2 1/2"	55'-1 3/4"	F	
	10	1	1	PJS	4"	80'-0"	2°48'0"	④	2 3/4"	55'-3 7/8"	E	
	12	4b	4	PJS	4"	80'-0"	9°40'12"	④	2 3/4"	55'-7 3/8"	E	
	13	7	4	Neoprene	2"	80'-0"	13°22'12"	④	2 3/4"	56'-4"	E	
	14	7	4	Neoprene	2"	80'-0"	16°58'12"	④	2 3/4"	57'-3 3/8"	E	
	15	6	1	Neoprene	2"	80'-0"	20°38'50"	④	2 3/4"	58'-5 1/8"	E	
	16	6	1	Neoprene	2 1/2"	134'-0"	3°37'12"	①	2 1/2"	54'-11 1/8"	D	
	18	6	1	Neoprene	2 1/2"	184'-0"	4°7'12"	①	2 1/2"	55'-0 1/4"	E	
	20	6	1	Neoprene	2 1/2"	178'-0"	15°27'0"	①	2 1/2"	56'-9 1/2"	D	
	21	1	1	PJS	2 1/2"	159'-0"	15°45'0"	①	2 1/2"	56'-11 1/8"	B	
	22	6	1	Neoprene	4"	149'-0"	15°49'12"	①	2 1/2"	57'-4 1/8"	C	
016-1046 (Ramp C)	5	6	1	Neoprene	4"	132'-0"	2°10'48"	①	2 1/2"	26'-0"	C	
	53	6	1	Neoprene	2"	212'-0"	0°0'0"	①	2 1/2"	26'-0"	A	
	57	6	1	Neoprene	4"	331'-0"	0°0'0"	①	2 1/2"	26'-0"	C	
016-1050 (Ramp G)	F1	6	1	Neoprene	4"	89'-0"	6°5'60"	④	2 3/4"	39'-9 1/8"	C	
	74	6	1	Neoprene	2 1/2"	163'-0"	0°0'0"	①	2 1/2"	32'-11"	C	
	78	6	1	Neoprene	4"	223'-0"	0°0'0"	①	2 1/2"	26'-1 1/2"	C	
	80	6	1	Neoprene	2"	156'-0"	0°0'0"	①	2 1/2"	26'-0"	C	
	82	6	1	Neoprene	2"	148'-0"	0°0'0"	①	2 1/2"	26'-0"	C	
	84	6	1	Neoprene	2"	140'-0"	0°0'0"	①	2 1/2"	26'-0"	C	
	86	6	1	Neoprene	4"	243'-0"	0°0'0"	①	2 1/2"	26'-0"	D	
	Abut. / 89	2a	3	PJS	2 1/2"	77'-0"	0°0'0"	③	1 3/4"	26'-0"	D	
016-1062 (Ramp F)	21	1	1	PJS	2 1/2"	167'-3"	15°45'0"	①	2 1/2"	67'-7 1/8"	D	
	22	6	1	Neoprene	4"	149'-0"	15°49'12"	①	2 1/2"	51'-5 1/2"	B	
	F1	6	1	Neoprene	4"	62'-0"	4°45'0"	③	1 3/4"	37'-3 1/8"	D	
	65	6	1	Neoprene	2"	131'-0"	2°27'0"	①	2 1/2"	31'-0"	A	
	67	6	1	Neoprene	2"	131'-0"	0°0'0"	①	2 1/2"	31'-0"	C	
	69	6	1	Neoprene	2"	131'-0"	0°0'0"	①	2 1/2"	31'-0"	C	
	71	5a	7	PJS	4"	132'-0"	0°0'0"	①	2 1/2"	31'-0"	C	

Notes:
 Dimension "A" indicates joint opening at 50°F
 Joints indicated as "Strip Seal Expansion Joint Assembly" shall be strip seal only.
 For existing and proposed sections thru joints for Designation 1, see sheets 194 and 195.
 For existing and proposed plans for Designation 2, staged and non-staged construction, see sheets 196 to 198.
 The dimensions for the length of the joints are given from face to face of parapet.
 For approximate dimensions of the joints per stage see Partial Plan Sheets 174 to 191.
 For dimensions of Finger Plate Joints see Plan Detail Sheets 212 to 260.

BOWMAN, BARRETT & ASSOCIATES INC.
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- FPJ- Finger Plate Joint
- ① Strip Seal Expansion Joint Assembly
- ② Bridge Joint System (Fixed)
- ③ Bridge Joint System (Expansion), 1"
- ④ Bridge Joint System (Expansion), 1 1/2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
 SB DAN RYAN ELEVATED BRIDGE
 REPAIR FROM 15TH TO 28TH STREETS
 LOCATION AND
 DESIGNATION OF JOINTS 1
 SCALE: N/A
 DATE: 5/25/2006
 DRAWN BY: BDC
 CHECKED BY: BLU

11/06/2006 09:06:29 SHEETS 192 OF 344