

LOCATION & DESIGNATION OF JOINTS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-028F	COOK	419	161
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
62580				

STRUCTURE NUMBER (SN)	LOCATION PIER	DESIGNATION 1 CROSS SECTIONS THRU JOINTS		EXISTING JOINT		LENGTH CONTR. TO EXP. (ft)	SKEW ANGLE (°)	PROPOSED JOINT		LENGTH OF JOINT FACE TO FACE OF PARAPET	DESIGNATION 2 STAGED AND NON STAGED CONSTRUCTION	
		EXISTING	PROPOSED	TYPE	SIZE			TYPE	"A"			
016-1117	S. Abut.	2	3	PJS	4"	88'-0"	9°39'0"	④	2 3/4"	31'-3 3/4"	B	
	1	4a	2	PJS	2 1/2"	FIXED	5°43'12"	②	1"	31'-0 3/4"	B	
	2	4b	4	PJS	4"	87'-6"	1°46'12"	④	2 3/4"	30'-10 3/4"	B	
	3	4b	4	PJS	4"	100'-0"	2°43'48"	④	2 3/4"	30'-10 9/16"	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"	12°46'12"	④	2 3/4"	31'-7 5/8"	A	
	6	7	4	Neoprene	2"	75'-0"	16°9'0"	③	1 3/4"	32'-1 1/8"	A	
	7	7	4	Neoprene	2"	90'-6"	20°16'12"	④	2 3/4"	32'-8 7/8"	A	
	8	6	1	Neoprene	2 1/2"	169'-0"	23°16'12"	①	2 1/2"	33'-5 7/8"	A	
	11	6	1	Neoprene	2"	102'-0"	31°18'0"	①	2 1/2"	36'-6 1/4"	G	
	12	6	1	Neoprene	2"	57'-0"	33°52'12"	①	2 1/2"	37'-5 1/4"	G	
	13	6	1	Neoprene	2"	7'-6"	34°55'12"	①	2 1/2"	37'-4 3/4"	H	
	14	6	1	Neoprene	2 1/2"	157'-0"	27°34'48"	①	2 1/2"	35'-9 3/8"	B	
	16	6	1	Neoprene	2"	144'-0"	24°37'12"	①	2 1/2"	74'-1 1/8"	E	
	18	6	1	Neoprene	2"	152'-0"	19°10'12"	①	2 1/2"	66'-6"	E	
	19	7	4	Neoprene	2"	90'-6"	18°42'0"	④	2 3/4"	66'-5 3/4"	E	
	20	7	4	Neoprene	2"	90'-6"	18°42'0"	④	2 3/4"	66'-6 1/2"	E	
	21	7	4	Neoprene	2"	90'-6"	18°42'0"	④	2 3/4"	66'-6 1/4"	E	
	22	7	4	Neoprene	2"	90'-6"	18°42'0"	④	2 3/4"	66'-6 3/8"	E	
	23	7	4	Neoprene	2"	75'-0"	18°42'0"	③	1 3/4"	66'-5 5/8"	E	
	26	FPJ	-	-	Finger Plate	4 1/2"	800'-0"	18°42'0"	-	-	-	-
	016-1118 (RAMP H)	S. Abut.	2	3	PJS	2 1/2"	59'-3"	1°49'12"	③	1 3/4"	52'-11 5/16"	A
		H1	4a	2	PJS	2 1/2"	FIXED	3°13'48"	②	1"	50'-9 3/4"	A
		H2	4b	4	PJS	4"	125'-6"	9°6'0"	④	2 3/4"	44'-1 1/2"	A
		H3	4b	4	PJS	4"	125'-6"	15°57'0"	④	2 3/4"	41'-6 1/4"	A
		H4	7	4	Neoprene	2"	104'-3"	20°34'12"	④	2 3/4"	42'-7 1/4"	A
H5		6	1	Neoprene	2 1/2"	146'-6"	25°3'0"	①	2 1/2"	44'-0 3/8"	A	
H6		6	1	Neoprene	2"	118'-0"	44°51'0"	①	2 1/2"	55'-5 7/8"	H	
H9		6	1	Neoprene	4"	235'-6"	34°21'0"	①	2 1/2"	48'-1 3/8"	H	
H12		6	1	Neoprene	2"	189'-9"	21°43'12"	①	2 1/2"	44'-1 1/2"	B	
016-1059 (RAMP D)		D33	6	1	Neoprene	2 1/2"	113'-8"	6°10'48"	④	2 3/4"	26'-2 3/4"	B
		D35	6	1	Neoprene	2"	148'-0"	0°0'0"	①	2 1/2"	26'-0"	C
		D37	6	1	Neoprene	2"	129'-6"	9°4'12"	①	2 1/2"	26'-1 7/8"	B
	D39	6	1	Neoprene	2"	125'-2"	34°0'0"	①	2 1/2"	29'-9"	H	
	D41	1	1	PJS	4"	126'-6"	1°55'12"	①	2 1/2"	27'-11 1/2"	B	
	D43	6	1	Neoprene	2"	137'-10"	5°58'12"	①	2 1/2"	32'-2 1/2"	A	
016-1140 (RAMP B)	B4	1	1	PJS	2 1/2"	FIXED	7°1'48"	②	1"	26'-1"	B	
	B5	6	1	Neoprene	4"	228'-1"	7°1'48"	①	2 1/2"	26'-2 1/4"	H	
	B11	6	1	Neoprene	4"	203'-11"	47°16'12"	①	2 1/2"	37'-6 3/8"	A	
	B15	6	1	Neoprene	4"	210'-5"	45°0'0"	①	2 1/2"	36'-9 7/8"	A	
	B16	1	1	PJS	4"	156'-8"	0°0'0"	③	1 3/4"	26'-0"	C	
	B18 Abut.	1	3	PJS	2 1/2"	71'-9"	0°0'0"	③	1 3/4"	26'-0"	C	
	016-1047 (RAMP E)	E30 Abut.	1	3	PJS	2 1/2"	66'-9"	0°0'0"	③	1 3/4"	26'-0"	C
E28		1	1	PJS	2 1/2"	130'-6"	0°0'0"	①	2 1/2"	26'-0"	C	
E26		1	1	PJS	2 1/2"	141'-10"	0°0'0"	①	2 1/2"	26'-0"	C	
E24		6	1	Neoprene	2"	211'-8"	0°28'12"	①	2 1/2"	28'-1"	B	
E23		1	1	Neoprene	2 1/2"	38'-8"	0°10'12"	③	1 3/4"	26'-0"	B	
E22		1	1	PJS	4"	321'-7"	4°40'48"	①	2 1/2"	49'-8 7/8"	D	
E1		1	1	PJS	4"	FIXED	0°31'12"	②	1"	45'-0 5/8"	D	
E2		1	1	PJS	2 1/2"	FIXED	21°39'0"	②	1"	41'-11 1/4"	D	

- 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"

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
Chicago, Illinois
312.228.0100
www.bbainc.com

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
NB DAN RYAN ELEVATED BRIDGE
REPAIR FROM 15TH TO 28TH STREETS
LOCATION AND
DESIGNATION OF JOINTS 2
SCALE: N/A DRAWN BY: BDC
DATE: 8/12/2005 CHECKED BY: BLU

11/5/49/ AN 8/11/2005