

LOCATION & DESIGNATION OF JOINTS

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	2003-0291	COOK	344	193
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
62581				

STRUCTURE NUMBER (SN)	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"		
016-1113 Ramp 'A'	1	-	-	FPJ	4 1/2"	464'-6"	16°22'48"	FPJ	-	SEE NOTES	
	3	6	1	Neoprene	2 1/2"	187'-4"	0°0'0"	①	2 1/2"	101'-2 3/4"	F
	5	6	1	Neoprene	2 1/2"	187'-4"	0°0'0"	①	2 1/2"	63'-5"	F
	7	6	1	Neoprene	4"	234'-0"	0°0'0"	①	2 1/2"	71'-5 8/8"	F
	10	6	1	Neoprene	4"	291'-0"	0°0'0"	①	2 1/2"	77'-1 1/4"	F
	11	1	1	PJS	2 1/2"	FIXED	0°0'0"	②	1"	83'-10 1/4"	F
	A5	6	1	Neoprene	2 1/2"	198'-7"	2°7'48"	①	2 1/2"	46'-0 7/8"	E
	A7	6	1	Neoprene	2 1/2"	200'-6"	1°48'0"	①	2 1/2"	53'-11 1/4"	E
	A9	1	1	PJS	4"	116'-11"	3°25'48"	①	2 1/2"	62'-2 1/8"	E
	A10	6	1	Neoprene	4"	230'-8"	1°58'12"	①	2 1/2"	66'-2 1/2"	E
	A11	1	1	PJS	2 1/2"	FIXED	2°13'12"	②	1"	70'-5 1/4"	E
016-1112 Ramp 'A'	12	6	1	Neoprene	2 1/2"	182'-2"	0°13'48"	①	2 1/2"	55'-3"	E
	14	6	1	Neoprene	2 1/2"	180'-0"	0°0'0"	①	2 1/2"	54'-6 3/8"	E
	15	6	1	Neoprene	4"	172'-0"	0°1'12"	①	2 1/2"	54'-10 1/2"	E
	19	6	1	Neoprene	4"	256'-0"	0°1'12"	①	2 1/2"	54'-10 1/2"	E
	22	6	1	Neoprene	4"	267'-0"	42°55'48"	①	2 1/2"	75'-1 1/2"	E
	26	6	1	Neoprene	4"	260'-9"	41°25'48"	①	2 1/2"	80'-1 3/4"	E
	27	6	1	Neoprene	4"	181'-0"	39°30'0"	①	2 1/2"	144'-3 8/8"	E
	28	1	1	PJS	2 1/2"	FIXED	1°33'0"	②	1"	105'-1 8/8"	E
	29	6	1	Neoprene	2 1/2"	188'-4"	1°24'0"	①	2 1/2"	94'-8 8/8"	E
	31	6	1	Neoprene	2 1/2"	188'-2"	0°0'0"	①	2 1/2"	75'-4 3/4"	F
	A12	6	1	Neoprene	2 1/2"	192'-11"	3°45'0"	①	2 1/2"	35'-7"	E
	A13	6	1	Neoprene	2 1/2"	167'-6"	1°27'0"	①	2 1/2"	35'-0"	E
	A16	6	1	Neoprene	4"	242'-6"	0°0'0"	①	2 1/2"	35'-0"	F
	A19	6	1	Neoprene	2 1/2"	164'-5"	0°0'0"	①	2 1/2"	35'-0"	F
016-1111 Ramp 'B'	A21	6	1	Neoprene	2"	89'-0"	30°0'0"	①	2 1/2"	42'-3"	D
	A22	6	1	Neoprene	4"	219'-6"	44°31'48"	①	2 1/2"	49'-2 1/4"	E
	B12	6	1	Neoprene	2 1/2"	187'-11"	3°12'0"	①	2 1/2"	48'-3 7/8"	B
	B14	6	1	Neoprene	4"	199'-6"	0°0'0"	①	2 1/2"	39'-1 7/8"	C
	B16	1	1	PJS	4"	90'-1"	2°7'48"	④	2 3/4"	29'-5 5/8"	B
	Abut. / B17	2a	3	PJS	4"	89'-10"	2°7'12"	④	2 3/4"	24'-11"	B
	1	1	1	PJS	2 1/2"	FIXED	0°0'0"	②	1"	67'-0 3/8"	F
016-1110	2	-	-	FPJ	4 1/2"	359'-5"	0°0'0"	FPJ	-	SEE NOTES	F
	7	-	-	FPJ	4 1/2"	418'-6"	0°0'0"	FPJ	-	SEE NOTES	F
	Abut. / D7	2b	3	Neoprene	4"	259'-9"	0°0'0"	①	2 1/2"	24'-11 1/4"	F
	D1 - Ramp D	6	1	Neoprene	4"	268'-9"	0°0'0"	①	2 1/2"	22'-0"	F
	1	-	-	FPJ	4 1/2"	404'-4"	0°0'0"	FPJ	-	SEE NOTES	F
016-0137	Span 2 - Joint 'A'	8	6	PJS	2 1/2"	FIXED	0°0'0"	②	1"	22'-0"	F
	Span 2 - Joint 'B'	9	6	Neoprene	2"	92'-0"	0°0'0"	④	2 3/4"	22'-0"	F
	4	-	-	FPJ	4 1/2"	348'-6"	0°0'0"	FPJ	-	SEE NOTES	F
	7	6	1	Neoprene	4"	232'-5"	0°0'0"	①	2 1/2"	75'-0"	F
11	6	1	Neoprene	4"	286'-0"	0°0'0"	①	2 1/2"	75'-0"	F	
15	6	1	Neoprene	4"	294'-0"	0°0'0"	①	2 1/2"	75'-0"	F	
19	6	1	Neoprene	4"	235'-0"	0°0'0"	①	2 1/2"	77'-9 3/4"	F	
23	5b	7	Neoprene	2 1/2"	199'-0"	0°0'0"	①	2 1/2"	83'-6 8/8"	F	
N. Abut.	3	5	PJS	2 1/2"	57'-0"	0°0'0"	③	1 3/4"	85'-9"	F	

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

- 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 5/8"

For notes see sheet no 192 .

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 2

SCALE: N/A
DATE: 5/25/2006

DRAWN BY: BDC
CHECKED BY: BLU

106543 AM 5/25/2006