

**SN 016-1113 SLAB - BAR DETAILS**

LOCATION	BAR				SIZE	LENGTH				NUMBER/STAGES				BAR				SIZE	LENGTH				NUMBER/STAGES							
	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB								
	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE								
PIER 3	a1	a38	-	-	#5(E)	30' 11"	34' 2"	-	-	9	9	9	9	X1	X1	-	-	#5(E)	2' 3"	2' 3"	-	-	30	30	35	35	-	-	-	-
PIER 5	a51	-	-	a39	#5(E)	29' 11"	-	-	24' 6"	9	9	-	-	18	18	X1	-	X1	#5(E)	2' 3"	-	-	2' 3"	30	30	-	-	-	49	49
PIER 7	a51	-	-	a40	#5(E)	29' 11"	-	-	29' 7"	9	9	-	-	18	18	X1	-	X1	#5(E)	2' 3"	-	-	2' 3"	30	30	-	-	-	57	57
PIER 8	a51	-	-	a41	#5(E)	29' 11"	-	-	34' 0"	9	9	-	-	18	18	X1	-	X1	#5(E)	2' 3"	-	-	2' 3"	30	30	-	-	-	66	66
PIER 9	a51	-	-	a42	#5(E)	29' 11"	-	-	31' 7"	9	9	-	-	9	9	X1	-	X1	#5(E)	2' 3"	-	-	2' 3"	30	30	-	-	-	58	32
PIER 10	a51	a51	-	-	#5(E)	29' 11"	29' 11"	-	-	9	9	9	9	-	-	X1	X1	-	-	#5(E)	2' 3"	2' 3"	-	-	30	30	30	30	-	-
PIER 11	a51	a43	-	-	#5(E)	29' 11"	26' 8"	-	-	9	9	9	9	-	-	X1	X1	-	-	#5(E)	2' 3"	2' 3"	-	-	30	30	28	28	-	-
PIER C3	a35	-	-	a36	#5(E)	20' 5"	-	-	16' 1"	9	9	-	-	9	9	X1	-	X1	#5(E)	2' 3"	-	-	2' 3"	21	21	-	-	-	19	19
PIER C6	a35	-	-	a44	#5(E)	20' 5"	-	-	24' 9"	9	9	-	-	9	9	-	-	X1	#5(E)	2' 3"	-	-	2' 3"	21	21	-	-	24	24	-
PIER C7	a35	-	-	a45	#5(E)	20' 5"	-	-	35' 1"	-	-	-	-	9	9	-	-	X1	#5(E)	2' 3"	-	-	2' 3"	-	-	-	-	-	36	36
PIER D7	-	-	-	a48	#5(E)	-	-	-	32' 8"	-	-	-	-	9	9	-	-	X1	#5(E)	-	-	-	2' 3"	-	-	-	-	-	31	31
PIER D8	-	-	-	a49	#5(E)	-	-	-	22' 9"	-	-	-	-	9	9	-	-	X1	#5(E)	-	-	-	2' 3"	-	-	-	-	-	23	23
PIER D9	-	-	-	a42	#5(E)	-	-	-	26' 4"	-	-	-	-	18	18	-	-	X1	#5(E)	-	-	-	2' 3"	-	-	-	-	-	27	27
PIER D10	-	-	-	a52	#5(E)	-	-	-	48' 9"	-	-	-	-	9	9	-	-	X1	#5(E)	-	-	-	2' 3"	-	-	-	-	-	44	44

MATCHLINE B-B

**SN 016-1113 SLAB - BAR DETAILS**

LOCATION	BAR				SIZE	LENGTH				NUMBER/STAGES				BAR				SIZE	LENGTH				NUMBER/STAGES						
	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB							
	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE							
PIER 3	b1	b1	-	-	#6(E)	4' 0"	4' 0"	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 5	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 7	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 8	b1	-	-	-	#6(E)	4' 0"	-	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 9	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 10	b1	b1	-	-	#6(E)	4' 0"	4' 0"	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER 11	b1	b1	-	-	#6(E)	4' 0"	4' 0"	-	-	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER C3	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER C6	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER C7	b1	-	-	b1	#6(E)	4' 0"	-	-	4' 0"	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER D7	-	-	-	b1	#6(E)	-	-	-	4' 0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER D8	-	-	-	b1	#6(E)	-	-	-	4' 0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER D9	-	-	-	b1	#6(E)	-	-	-	4' 0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PIER D10	-	-	-	b1	#6(E)	-	-	-	4' 0"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MATCHLINE B-B

**SN 016-1113 PARAPET - BAR DETAILS**

LOCATION	BAR				SIZE	LENGTH				NUMBER/STAGES				BAR				SIZE	LENGTH				NUMBER/STAGES							
	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB	STAGE I	STAGE II	STAGE IIA	STAGE IIB		STAGE I	STAGE II	STAGE IIA	STAGE IIB								
	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE	SIDE	ASIDE	B	ASIDE		SIDE	ASIDE	B	ASIDE								
PIER 3	d1	d1	-	-	#4(E)	5' 10"	5' 10"	-	-	3	3	3	3	-	-	-	-	d2	-	d2	-	-	3	3	-	-	3	3	-	-
PIER 5	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	3	3	-	-	-	-	-	-	d2	-	d2	-	-	3	3	-	-	3	3	-	-
PIER 7	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	3	3	-	-	-	-	-	-	d2	-	d2	-	-	3	3	-	-	3	3	-	-
PIER 8	d1	-	-	-	#4(E)	5' 10"	-	-	-	3	3	-	-	-	-	-	-	d2	-	-	-	-	3	3	-	-	-	-	-	-
PIER 9	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	3	3	-	-	6	3	-	-	d2	-	-	-	-	3	3	-	-	-	-	6	3
PIER 10	d1	d1	-	-	#4(E)	5' 10"	5' 10"	-	-	3	3	3	3	-	-	-	-	d2	d2	-	-	-	-	3	3	3	3	-	-	-
PIER 11	d1	d1	-	-	#4(E)	5' 10"	5' 10"	-	-	3	3	3	3	-	-	-	-	d2	d2	-	-	-	-	3	3	3	3	-	-	-
PIER C3	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	3	3	-	-	-	-	-	-	d2	-	-	-	-	3	3	-	-	-	-	3	3
PIER C6	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	3	3	-	-	3	6	-	-	d2	-	-	-	-	3	3	-	-	-	-	3	3
PIER C7	d1	-	-	d1	#4(E)	5' 10"	-	-	5' 10"	-	-	-	-	4	-	-	-	d2	-	-	-	-	-	-	-	-	-	-	-	-
PIER D7	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	6	3	-	-	d2	-	-	-	-	-	-	-	-	-	-	6	3
PIER D8	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	4	-	-	-	d2	-	-	-	-	-	-	-	-	-	-	2	-
PIER D9	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	3	3	-	-	d2	-	-	-	-	-	-	-	-	-	-	3	3
PIER D10	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	3	6	-	-	d2	-	-	-	-	-	-	-	-	-	-	3	6
PIER D10	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	4	-	-	-	d2	-	-	-	-	-	-	-	-	-	-	4	-
PIER D10	-	-	-	d1	#4(E)	-	-	-	5' 10"	-	-	-	-	6	6	-	-	d2	-	-	-	-	-	-	-	-	-	-	6	6

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
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Notes:  
1. The number of a(E) bars shown indicate the total number of bars required.  
2. Refer to table "BAR a(E) DETAILS" for specifics. 1x5 indicates 1 length of bar and 5 total bars is required (T or B).

**BAR a(E) DETAILS**

NUMBER OF a BARS SHOWN IN TABLE	9	18
INDICATES	1x5 (T) 1x4 (B)	2x5 (T) 2x4 (B)

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  
BAR DETAILS  
SN 016-1113

SCALE: N/A  
DATE: 8/12/2005

DRAWN BY: CS  
CHECKED BY: BLU

B:\112005\112005.dwg