

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	88
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 83869

SHEET NO. 517
of 552 SHEETS

Stressing Sequence										
Stage	Location	Sequence	Tendon No.	No. Strands	Jacking Force (Kips)	Location	Sequence	Tendon No.	No. Strands	Jacking Force (Kips)
Stage I	East Abutment	1	1	19	835	West Abutment	18	17	19	835
		2	2	19	835		19	16	19	835
		3	3	19	835		20	15	19	835
		4	4	19	835		21	14	19	835
		5	5	19	835		22	13	19	835
		6	6	19	835		23	12	19	835
		7	7	19	835		24	11	19	835
		8	8	19	835		25	10	19	835
		9	9	19	835		26	9	19	835
		10	10	19	835		27	8	19	835
		11	11	19	835		28	7	19	835
		12	12	19	835		29	6	19	835
		13	13	19	835		30	5	19	835
		14	14	19	835		31	4	19	835
		15	15	19	835		32	3	19	835
		16	16	19	835		33	2	19	835
		17	17	19	835		34	1	19	835
Stage II	East Abutment	-	34	19	835	West Abutment	17	18	19	835
		1	33	19	835		18	19	19	835
		2	32	19	835		19	20	19	835
		3	31	19	835		20	21	19	835
		4	30	19	835		21	22	19	835
		5	29	19	835		22	23	19	835
		6	28	19	835		23	24	19	835
		7	27	19	835		24	25	19	835
		8	26	19	835		25	26	19	835
		9	25	19	835		26	27	19	835
		10	24	19	835		27	28	19	835
		11	23	19	835		28	29	19	835
		12	22	19	835		29	30	19	835
		13	21	19	835		30	31	19	835
		14	20	19	835		31	32	19	835
		15	19	19	835		32	33	19	835
16	18	19	835	33	34	19	835			

Location	Depth of Slab	Tendon CGS Profile (Measured from T/Slab)
A	2'-0"	-
⊙ Brg. W. Abut.	2'-0"	1'-0"
0.1L1	2'-0"	1'-2 ⁵ / ₈ "
0.2L1	2'-0"	1'-4 ¹ / ₂ "
0.3L1	2'-0"	1'-5 ⁵ / ₈ "
0.4L1	2'-0"	1'-6"
0.5L1	2'-0 ¹¹ / ₁₆ "	1'-5 ⁵ / ₈ "
0.6L1	2'-2 ⁷ / ₈ "	1'-4 ⁹ / ₈ "
0.7L1	2'-6 ⁷ / ₁₆ "	1'-2 ¹¹ / ₁₆ "
0.8L1	2'-11 ⁷ / ₁₆ "	1'-0 ⁹ / ₈ "
0.9L1	3'-5 ¹⁵ / ₁₆ "	8 ³ / ₁₆ "
B	3'-11 ⁹ / ₁₆ "	7 ³ / ₁₆ "
⊙ Brg. Pier 1	4'-0"	7"
C	4'-1"	7 ⁸ / ₁₆ "
0.1L2	3'-5 ⁹ / ₁₆ "	9 ³ / ₁₆ "
0.2L2	2'-9 ⁷ / ₈ "	1'-1 ¹ / ₁₆ "
0.3L2	2'-4 ³ / ₈ "	1'-3 ¹³ / ₁₆ "
0.4L2	2'-1 ⁸ / ₈ "	1'-5 ⁷ / ₁₆ "
0.5L2	2'-0"	1'-6"
0.6L2	2'-1 ¹ / ₁₆ "	1'-0 ⁷ / ₁₆ "
0.7L2	2'-4 ¹ / ₄ "	1'-3 ¹³ / ₁₆ "
0.8L2	2'-9 ⁹ / ₁₆ "	1'-1 ¹ / ₁₆ "
0.9L2	3'-5"	9 ¹³ / ₁₆ "
D	4'-0 ³ / ₁₆ "	7 ¹ / ₁₆ "
⊙ Brg. Pier 2	4'-0"	7"
E	4'-1 ⁸ / ₁₆ "	7 ¹⁵ / ₁₆ "
0.1L3	3'-7 ¹ / ₁₆ "	8 ¹³ / ₁₆ "
0.2L3	3'-0 ¹ / ₄ "	1'-0 ¹ / ₈ "
0.3L3	2'-6 ⁷ / ₈ "	1'-2 ¹¹ / ₁₆ "
0.4L3	2'-3 ¹ / ₁₆ "	1'-4 ⁹ / ₁₆ "
0.5L3	2'-0 ³ / ₄ "	1'-5 ⁹ / ₈ "
0.6L3	2'-0"	1'-6"
0.7L3	2'-0"	1'-5 ⁵ / ₈ "
0.8L3	2'-0"	1'-4 ¹ / ₂ "
0.9L3	2'-0"	1'-2 ⁵ / ₈ "
⊙ Brg. E. Abut.	2'-0"	1'-0"
F	2'-0"	-

DESIGNED	-	DWH
CHECKED	-	KSS
DRAWN	-	EF
CHECKED	-	KSS

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LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

SLAB GEOMETRY & POST-TENSIONING II
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051