



BENDING DIAGRAMS
(All dimensions are out to out of bars.)

BILL OF REINFORCING STEEL (Grade 60)(Epoxy Coated)							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
Slab							
S1	#5	980	39'-9"				
S2	#5	82	55'-0"				
S3	#5	82	41'-5"				
S4	#5	41	54'-6"				
*S5	#4	490	1'-6"				
S6	#5	52	11'-9"				
S7	#5	58	55'-0"				
S8	#5	58	41'-9"				
S9	#5	52	25'-6"				
S10	#6	52	16'-0"				
S11	#5	52	13'-3"				
S12	#5	52	7'-9"				
S13	#5	52	7'-9"				
S14	#5	52	14'-9"				
S15	#5	29	54'-6"				
Abut.#1							
A1	#5	40	2'-1"	A4	#5	67	6'-5"
A2	#5	2	39'-8"	A5	#5	67	5'-9"
A3	#6	16	34'-4"				
*A6	#4	4	2'-0"				
Abut.#2							
A7	#5	2	39'-8"	A8	#5	39	5'-0"
A9	#6	6	37'-10"				
A10	#5	40	2'-1"				
*A11	#4	4	2'-0"				
Pier#1							
P1	#5	64	3'-0"	P3	#5	32	7'-3"
P2	#6	13	38'-0"	P4	#5	32	6'-8"
*P5	#4	12	2'-0"				
Pier#2							
P2	#6	13	38'-0"	P3	#5	32	7'-3"
				P4	#5	32	6'-8"
Pier#3							
P2	#6	13	38'-0"	P3	#5	32	7'-3"
				P4	#5	32	6'-8"
Pier#4							
P1	#5	64	3'-0"	P3	#5	32	7'-3"
P2	#6	13	38'-0"	P4	#5	32	6'-8"
*P5	#4	12	2'-0"				
Diaphragms							
Abut.#1							
AB2	#4	6	4'-6"	AB1	#4	32	8'-0"
AB3	#5	24	4'-6"	AB6	#4	40	2'-3"
*AB4	#4	8	1'-8"				
*AB5	#4	2	1'-8"				
Abut.#2							
AB2	#4	6	4'-6"	AB1	#4	32	8'-0"
AB3	#5	24	4'-6"	AB6	#4	40	2'-3"
*AB4	#4	8	1'-8"				
*AB5	#4	2	1'-8"				
Pier#1							
PD1	#5	2	38'-0"	PD2	#4	32	11'-1"
PD3	#5	36	4'-6"				
*PD4	#4	12	1'-8"				
Pier#2							
DE2	#4	12	4'-6"	DE1	#4	64	8'-0"
DE3	#5	48	38'-0"	DE6	#4	80	2'-3"
*DE4	#4	4	4'-6"				
*DE5	#4	16	1'-8"				
Pier#3							
DE2	#4	12	4'-6"	DE1	#4	64	8'-0"
DE3	#5	48	38'-0"	DE6	#4	80	2'-3"
*DE4	#4	4	4'-6"				
*DE5	#4	16	1'-8"				
Pier#4							
PD1	#5	2	38'-0"	PD2	#4	32	11'-1"
PD3	#5	36	4'-6"				
*PD4	#4	12	1'-8"				

* Dowels used in epoxy grouting but paid for as Reinforcing Steel (Grade 60) (Epoxy Coated).

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No.	Revisions	By	Date
CITY OF WICHITA, KANSAS MICHAEL E. LINDEBAK, P.E.-CITY ENGINEER MURDOCK BRIDGE OVER LITTLE ARKANSAS RIVER BILL OF REINFORCING AND BENDING DIAGRAMS CITY OF WICHITA PROJECT NO. 472-82785 PROFESSIONAL ENGINEERING CONSULTANTS, P.A. ENGINEERS WICHITA, KANSAS			
Designed by	R.A.S.	Checked by	R.A.S.
Drawn by	W.L.L.	Date	Oct. 1998
		Job No.	96940