

MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K													
		①	FT	IN	FT				IN	①	FT	IN				FT	IN	①	FT				IN	FT	IN	①		FT	IN	FT	IN	①	FT	IN	FT	IN				
11' X 8'						11' X 8' (CONTINUED)						11' X 10' (CONTINUED)						11' X 10' (CONTINUED)						11' X 11' (CONTINUED)						11' X 11' (CONTINUED)										
A1	5	2	12	3		S3	5	2	3	0		C7	4	2	27	8		T2	5	2	3	5		G6	4	2	28	1		X2	4	1	4	0	1	8				
A2	5	2	16	5		S4	5	2	3	9		C8	4	8	28	0		T3	5	2	4	10		G7	4	3	30	0		X3	4	1	4	6	1	11				
B1	5	4	4	0		S5	5	2	4	5		E1	5	2	23	9	17	9	T4	5	2	6	3		H	4	16	18	2	14	6	X4	4	1	4	10	2	1		
B2	5	4	4	9		S6	5	2	5	2		E2	5	2	24	7	18	7	T5	5	2	7	8		J1	5	4	5	7		X5	4	1	5	4	2	4			
B3	5	4	5	6		S7	5	2	5	10		F	4	18	1	7	0	6	T6	5	2	9	0		J2	5	4	6	8		X6	4	1	5	10	2	7			
B4	5	4	6	3		S8	5	2	6	6		G1	4	1	18	0			T7	5	2	10	6		J3	5	4	7	9		X7	4	1	6	4	2	10			
B5	5	4	7	0		S9	5	2	7	3		G2	4	2	20	0			T8	5	2	11	10		J4	5	4	8	10		X8	4	1	6	8	3	0			
B6	5	4	7	9		S10	5	2	7	11		G3	4	2	22	0			T9	5	2	13	3		J5	5	4	9	10		X9	4	1	7	2	3	3			
B7	5	4	8	6		S11	5	2	8	8		G4	4	2	24	0			T10	5	2	13	7		J6	5	4	11	0		Z	4	2	12	4	11	1			
B8	5	22	9	4		S12	5	2	9	4		G5	4	2	26	0			X1	4	1	3	3	1	4	J7	5	4	12	0										
C1	4	2	11	8		S13	5	2	9	7		G6	4	2	28	0			X2	4	1	3	7	1	6	K1	4	2	1	4										
C2	4	2	14	3		T1	5	2	1	7		G7	4	3	30	0			X3	4	1	4	1	1	9	K2	4	2	3	2										
C3	4	2	17	0		T2	5	2	3	0		H	4	16	17	2	13	6	X4	4	1	4	7	2	0	K3	4	2	5	0										
C4	4	2	19	8		T3	5	2	4	5		J1	5	4	5	1			X5	4	1	5	1	2	3	K4	4	2	6	11										
C5	4	2	22	3		T4	5	2	5	10		J2	5	4	6	2			X6	4	1	5	5	2	5	K5	4	2	8	8										
C6	4	2	24	10		T5	5	2	7	3		J3	5	4	7	3			X7	4	1	5	11	2	8	K6	4	2	10	7										
C7	4	6	25	3		T6	5	2	8	8		J4	5	4	8	3			X8	4	1	6	5	2	11	K7	4	2	12	5										
E1	5	2	22	9	17	9	T8	5	2	11	5		J5	5	4	9	4		Z	4	2	11	2	10	0	K8	4	10	13	7										
E2	5	2	23	5	18	5	T9	5	2	12	11		J6	5	4	10	5									M1	4	2	3	8										
F	4	18	1	5	0	6	T10	5	2	13	5		J7	5	2	11	6									M2	4	42	6	0										
G1	4	1	18	0		X1	4	1	2	9	1	2	K2	4	2	3	2	11' X 11'						N2	4	6	26	9												
G2	4	2	20	0		X2	4	1	3	3	1	5	K3	4	2	5	1								N3	4	4	29	7											
G3	4	2	22	0		X3	4	1	3	7	1	7	K4	4	2	6	11								P	8	44	8	9	6	0									
G4	4	2	24	0		X4	4	1	4	1	1	10	K5	4	2	8	10								Q	5	7	12	6											
G5	4	2	26	0		X5	4	1	4	5	2	0	K6	4	2	10	8								R	5	13	5	4											
G6	4	3	28	0		X6	4	1	4	11	2	3	K7	4	2	12	6								S1	5	2	1	5											
H	4	15	14	2	11	6	Z	4	2	8	10	7	10	K8	4	8	12	8							S2	5	2	2	1											
J1	5	4	4	1									M1	4	2	3	3								B4	5	4	7	9											
J2	5	4	5	2									M2	4	39	5	8								B5	5	4	8	6											
J3	5	4	6	2									N1	4	9	12	8								B6	5	4	9	4											
J4	5	4	7	3		11' X 10'						N2	4	6	25	5									B7	5	4	10	1											
J5	5	4	8	4		A1	5	2	14	4		P	8	41	8	2	5	6						B8	5	4	10	10												
J6	5	2	9	5		A2	5	2	19	3		Q	5	6	12	6								B9	5	4	11	7												
K1	4	2	1	3		B1	5	4	5	0		R	5	13	4	11								B10	5	24	12	4												
K2	4	2	3	1		B2	5	4	5	9		S1	5	2	1	2								C1	4	2	12	0												
K3	4	2	5	0		B3	5	4	5	9		S2	5	2	1	11								C2	4	2	14	8												
K4	4	2	6	10		B4	5	4	6	6		S3	5	2	2	7								C3	4	2	17	3												
K5	4	2	8	9		B5	5	4	7	3		S4	5	2	2	7								C4	4	2	19	10												
K6	4	2	10	6		B6	5	4	8	0		S5	5	2	3	4								C5	4	2	22	6												
K7	4	6	10	10		B7	5	4	8	9		S6	5	2	4	0								C6	4	2	25	1												
M1	4	2	2	8		B8	5	4	9	6		S7	5	2	4	9								C7	4	2	27	9												
M2	4	35	4	9		B9	5	4	10	3		S8	5	2	5	5								C8	4	10	29	5												
N1	4	8	10	10		B10	5	4	11	1		S9	5	2	6	2								E1	5	2	23	9	17	9	T4	5	2	6	6					
N2	4	5	23	0		C1	4	2	11	11		S10	5	2	7	7								E2	5	2	24	9	18	9	T5	5	2	7	11					
N3	4	3	25	5		C2	4	2	14	6		S11	5	2	8	3								F	4	18	1	8	0	6	T6	5	2	9	4					
P	7	36	6	9	4	6	C3	4	2	17	1		S12	5	2	9	0							G1	4	2	18	4			T7	5	2	10	9					
Q	5	5	12	6		C4	4	2	19	8		S13	5	2	9	9								G2	4	2	20	3			T8	5	2	12	1					
R	5	13	4	3		C5	4	2	22	3		S14	5	2	9	11								G3	4	2	22	3			T9	5	2	13	6					
S1	5	2	1	7		C6	4	2	24	11		T1	5	2	2	0								G4	4	2	24	2			T10	5	2	13	8					
S2	5	2	2	4																				G5	4	2	26	2			X1	4	1	3	6	1	5			

NOTES

- NUMBER OF BARS IN ONE HEADWALL.
- DIMENSIONS ARE 0. TO 0. OF BARS.
- ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.
- R = BOX OR PIPE RISE
- W = WING WALL WIDTH

BENT BAR SHAPES

TO BE FIELD BENT

BARS (E)

BARS (F), (U) AND (X)

BARS (H)

BARS (P), (V) AND (W)

BARS (Y) AND (Z)

TO BE FIELD BENT

KENTUCKY
DEPARTMENT OF HIGHWAYS
BILL OF REINFORCEMENT
11' X 8' - 11' X 11' HEADWALLS
PRECAST BOX CULVERTS
30° SKEW

STANDARD DRAWING NO. RDH-1342-03

SUBMITTED _____ DIRECTOR DIVISION OF DESIGN _____ DATE _____

APPROVED _____ STATE HIGHWAY ENGINEER _____ DATE _____