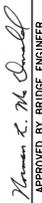


DIMENSION TABLE

S X H	12' X 12'	12' X 10'	12' X 8'	12' X 6'	12' X 4'	12' X 3'	12' X 2'	12' X 1'	10' X 10'	10' X 8'	10' X 6'	10' X 4'	10' X 3'	10' X 2'	10' X 1'	8' X 8'	8' X 6'	8' X 4'	8' X 3'	8' X 2'	8' X 1'	6' X 6'	6' X 4'	6' X 3'	6' X 2'	6' X 1'	4' X 4'	4' X 3'	4' X 2'	4' X 1'	S X H			
A	37'-0	34'-0	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	37'-0	34'-0	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	10'-0	8'-0	6'-0	4'-0	3'-0	A			
B	12'-4	11'-4	10'-4	9'-4	8'-4	7'-4	6'-4	5'-4	4'-4	12'-4	11'-4	10'-4	9'-4	8'-4	7'-4	6'-4	5'-4	4'-4	10'-4	9'-4	8'-4	7'-4	6'-4	5'-4	4'-4	10'-4	8'-8	7'-8	6'-8	5'-8	4'-8	B		
C	24'-8	22'-8	20'-8	18'-8	16'-8	14'-8	12'-8	10'-8	8'-8	24'-8	22'-8	20'-8	18'-8	16'-8	14'-8	12'-8	10'-8	8'-8	20'-8	18'-8	16'-8	14'-8	12'-8	10'-8	8'-8	20'-8	16'-8	14'-8	12'-8	10'-8	8'-8	C		
C1	34'-10	32'-0	29'-2	26'-4	23'-6	20'-8	17'-11	15'-1	12'-3	34'-10	32'-0	29'-2	26'-4	23'-6	20'-8	17'-11	15'-1	12'-3	29'-2	26'-4	23'-6	20'-8	17'-11	15'-1	12'-3	29'-2	26'-4	23'-6	20'-8	17'-11	15'-1	12'-3	C1	
C2	33'-10	31'-1	28'-4	25'-6	22'-8	19'-11	17'-2	14'-4	11'-6	33'-10	31'-1	28'-4	25'-6	22'-8	19'-11	17'-2	14'-4	11'-6	28'-4	25'-6	22'-8	19'-11	17'-2	14'-4	11'-6	28'-4	25'-6	22'-8	19'-11	17'-2	14'-4	11'-6	C2	
C3	0'-6	0'-5	0'-5	0'-5	0'-5	0'-4	0'-4	0'-4	0'-4	0'-6	0'-5	0'-5	0'-5	0'-5	0'-4	0'-4	0'-4	0'-4	0'-4	0'-5	0'-5	0'-5	0'-5	0'-5	0'-5	0'-5	0'-4	0'-4	0'-4	0'-4	0'-4	0'-4	C3	
DL	17'-5	16'-0	14'-7	13'-2	11'-9	10'-4	8'-11	7'-6	6'-1	17'-5	16'-0	14'-7	13'-2	11'-9	10'-4	8'-11	7'-6	6'-1	14'-7	13'-2	11'-9	10'-4	8'-11	7'-6	6'-1	14'-7	13'-2	11'-9	10'-4	8'-11	7'-6	6'-1	DL	
DS	10'-8	9'-7	8'-9	7'-11	7'-0	6'-2	5'-4	4'-6	3'-8	10'-8	9'-7	8'-9	7'-11	7'-0	6'-2	5'-4	4'-6	3'-8	8'-9	7'-11	7'-0	6'-2	5'-4	4'-6	3'-8	8'-9	7'-11	7'-0	6'-2	5'-4	4'-6	3'-8	DS	
DI	6'-8	56'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	6'-8	56'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	DI	
D2	22'-2	20'-4	18'-7	16'-9	15'-0	13'-2	11'-4	9'-7	7'-9	22'-2	20'-4	18'-7	16'-9	15'-0	13'-2	11'-4	9'-7	7'-9	18'-7	16'-9	15'-0	13'-2	11'-4	9'-7	7'-9	18'-7	16'-9	15'-0	13'-2	11'-4	9'-7	7'-9	D2	
E	52'-10	50'-6	48'-2	45'-11	43'-8	41'-4	39'-1	36'-9	34'-6	52'-10	50'-6	48'-2	45'-11	43'-8	41'-4	39'-1	36'-9	34'-6	48'-2	45'-11	43'-8	41'-4	39'-1	36'-9	34'-6	48'-2	45'-11	43'-8	41'-4	39'-1	36'-9	34'-6	E	
EI	74'-9	71'-6	68'-2	64'-11	61'-9	58'-5	55'-3	52'-0	48'-10	74'-9	71'-6	68'-2	64'-11	61'-9	58'-5	55'-3	52'-0	48'-10	68'-2	64'-11	61'-9	58'-5	55'-3	52'-0	48'-10	68'-2	64'-11	61'-9	58'-5	55'-3	52'-0	48'-10	EI	
EL	17'-9	16'-4	14'-11	13'-6	12'-1	10'-8	9'-3	7'-10	6'-5	17'-9	16'-4	14'-11	13'-6	12'-1	10'-8	9'-3	7'-10	6'-5	14'-11	13'-6	12'-1	10'-8	9'-3	7'-10	6'-5	14'-11	13'-6	12'-1	10'-8	9'-3	7'-10	6'-5	EL	
FS	10'-9	9'-11	9'-1	8'-3	7'-4	6'-6	5'-8	4'-10	4'-0	10'-9	9'-11	9'-1	8'-3	7'-4	6'-6	5'-8	4'-10	4'-0	9'-1	8'-3	7'-4	6'-6	5'-8	4'-10	4'-0	9'-1	8'-3	7'-4	6'-6	5'-8	4'-10	4'-0	FS	
FI	37'-5	34'-5	31'-5	28'-5	25'-5	22'-5	19'-5	16'-5	13'-5	37'-5	34'-5	31'-5	28'-5	25'-5	22'-5	19'-5	16'-5	13'-5	31'-5	28'-5	25'-5	22'-5	19'-5	16'-5	13'-5	31'-5	28'-5	25'-5	22'-5	19'-5	16'-5	13'-5	FI	
F2	2'-11	2'-8	2'-6	2'-4	2'-1	1'-11	1'-8	1'-6	1'-4	2'-11	2'-8	2'-6	2'-4	2'-1	1'-11	1'-8	1'-6	1'-4	2'-1	1'-11	1'-8	1'-6	1'-4	2'-1	1'-11	1'-8	1'-6	1'-4	2'-1	1'-11	1'-8	1'-6	1'-4	F2
G	24'-4	24'-3	24'-2	24'-2	24'-2	24'-1	24'-1	24'-1	24'-1	20'-4	20'-3	20'-2	20'-2	20'-2	20'-1	20'-1	20'-1	16'-2	20'-1	20'-1	20'-1	20'-1	20'-1	20'-1	20'-1	20'-1	16'-2	16'-2	16'-1	16'-1	16'-1	16'-1	G	
G1	34'-5	34'-3	34'-2	34'-2	34'-2	34'-0	34'-0	34'-0	28'-9	34'-5	34'-3	34'-2	34'-2	34'-2	34'-0	34'-0	34'-0	28'-9	28'-4	28'-4	28'-4	28'-4	28'-4	28'-4	28'-4	28'-4	28'-4	22'-10	22'-10	22'-9	22'-9	22'-9	G1	
G2	35'-7	35'-5	35'-4	35'-4	35'-4	35'-2	35'-2	35'-2	29'-11	35'-7	35'-5	35'-4	35'-4	35'-4	35'-2	35'-2	35'-2	29'-11	29'-6	29'-6	29'-6	29'-6	29'-6	29'-6	29'-6	29'-6	29'-6	24'-0	24'-0	23'-10	23'-10	23'-10	G2	
G3	39'-5	36'-3	33'-1	29'-11	26'-9	23'-7	20'-5	17'-3	14'-1	39'-5	36'-3	33'-1	29'-11	26'-9	23'-7	20'-5	17'-3	14'-1	33'-1	29'-11	26'-9	23'-7	20'-5	17'-3	14'-1	33'-1	29'-11	26'-9	23'-7	20'-5	17'-3	14'-1	G3	
G4	39'-9	36'-3	32'-8	29'-6	26'-4	22'-10	19'-8	16'-6	13'-4	39'-9	36'-3	32'-8	29'-6	26'-4	22'-10	19'-8	16'-6	13'-4	32'-8	29'-6	26'-4	22'-10	19'-8	16'-6	13'-4	32'-8	29'-6	26'-4	22'-10	19'-8	16'-6	13'-4	G4	
G5	12'-8	11'-7	10'-7	9'-7	8'-7	7'-7	6'-6	5'-6	4'-6	12'-8	11'-7	10'-7	9'-7	8'-7	7'-7	6'-6	5'-6	4'-6	9'-7	8'-7	7'-7	6'-6	5'-6	4'-6	3'-6	2'-6	1'-6	1'-6	1'-6	1'-6	1'-6	1'-6	G5	
G6	14'-2	13'-0	11'-10	10'-10	9'-10	8'-8	7'-8	6'-8	5'-8	14'-2	13'-0	11'-10	10'-10	9'-10	8'-8	7'-8	6'-8	5'-8	11'-10	10'-10	9'-10	8'-8	7'-8	6'-8	5'-8	4'-8	3'-8	2'-8	1'-8	1'-8	1'-8	1'-8	G6	
G7	0'-1	0'-6	0'-10	0'-10	0'-10	1'-2	1'-2	1'-2	0'-1	0'-6	0'-10	0'-10	0'-10	0'-10	1'-2	1'-2	1'-2	0'-1	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	G7	
G8	0'-6	0'-7	0'-8	0'-8	0'-8	0'-9	0'-9	0'-9	0'-6	0'-7	0'-8	0'-8	0'-8	0'-8	0'-9	0'-9	0'-9	0'-6	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	0'-8	G8	
K	25'-0	24'-11	24'-10	24'-10	24'-10	24'-9	24'-9	24'-9	24'-9	21'-0	20'-11	20'-10	20'-10	20'-10	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	20'-9	16'-10	16'-10	16'-10	16'-9	16'-9	16'-9	K	
KL	35'-4	35'-2	35'-1	35'-1	35'-1	35'-0	35'-0	35'-0	29'-8	35'-4	35'-2	35'-1	35'-1	35'-1	35'-0	35'-0	35'-0	29'-8	29'-7	29'-5	29'-5	29'-5	29'-5	29'-5	29'-5	29'-5	29'-5	23'-9	23'-9	23'-9	23'-8	23'-8	23'-8	KL
PL	71'-11	66'-1	60'-3	54'-5	48'-7	42'-9	36'-11	31'-1	25'-3	71'-11	66'-1	60'-3	54'-5	48'-7	42'-9	36'-11	31'-1	25'-3	60'-3	54'-5	48'-7	42'-9	36'-11	31'-1	25'-3	60'-3	54'-5	48'-7	42'-9	36'-11	31'-1	25'-3	PL	
PS	43'-1	39'-7	36'-1	32'-7	29'-1	25'-7	22'-1	18'-7	15'-1	43'-1	39'-7	36'-1	32'-7	29'-1	25'-7	22'-1	18'-7	15'-1	36'-1	32'-7	29'-1	25'-7	22'-1	18'-7	15'-1	36'-1	32'-7	29'-1	25'-7	22'-1	18'-7	15'-1	PS	
RL	72'-11	67'-0	61'-1	55'-2	49'-3	43'-4	37'-5	31'-6	25'-7	72'-11	67'-0	61'-1	55'-2	49'-3	43'-4	37'-5	31'-6	25'-7	61'-1	55'-2	49'-3	43'-4	37'-5	31'-6	25'-7	61'-1	55'-2	49'-3	43'-4	37'-5	31'-6	25'-7	RL	
RS	44'-10	41'-2	37'-4	33'-11	30'-3	26'-8	23'-0	19'-4	15'-9	44'-10	41'-2	37'-4	33'-11	30'-3	26'-8	23'-0	19'-4	15'-9	37'-4	33'-11	30'-3	26'-8	23'-0	19'-4	15'-9	37'-4	33'-11	30'-3	26'-8	23'-0	19'-4	15'-9	RS	
RI	35'-7	32'-8	29'-9	26'-9	23'-9	20'-10	17'-10	14'-10	11'-10	35'-7	32'-8	29'-9	26'-9	23'-9	20'-10	17'-10	14'-10	11'-10	33'-1	29'-9	26'-9	23'-9	20'-10	17'-10	14'-10	11'-10	33'-1	29'-9	26'-9	23'-9	20'-10	17'-10	14'-10	RI
SI	16'-11	16'-11	16'-11	16'-11	16'-11	16'-11	16'-11	16'-11	16'-11	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	14'-1	SI
T	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-1	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	T	
U	1'-0	0'-11	0'-10	0'-10	0'-10	0'-9	0'-9	0'-9	0'-9	1'-0	0'-11	0'-10	0'-10	0'-10	0'-9	0'-9	0'-9	0'-9	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	U	
V	1'-0	0'-11	0'-10	0'-10	0'-10	0'-9	0'-9	0'-9	0'-9	1'-0	0'-11	0'-10	0'-10	0'-10	0'-9	0'-9	0'-9	0'-9	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	0'-10	V	
VI	1'-5	1'-3	1'-2	1'-2	1'-2	1'-0	1'-0	1'-0	1'-5	1'-3	1'-2	1'-2	1'-2	1'-2	1'-0	1'-0	1'-0	1'-5	1'-3	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	VI	
W	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	W	

NOTES:

- SEE SHEET TWRCB G1-12 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
- SEE SHEETS TWH 45-1-12 AND TWH 45-3-12 THRU TWH 45-6-12 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.
- SEE SHEET TWH 45-7-12 FOR HEADWALL NOTES.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division
		STANDARD DESIGN TWIN REINFORCED CONCRETE BOX CULVERTS APRIL, 2012
		FLARED WING HEADWALLS 45° SKEW

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