


Dimension Table																													
S x H	10' x 12'	10' x 11'	10' x 10'	10' x 9'	10' x 8'	10' x 7'	10' x 6'	10' x 5'	10' x 4'	8' x 10'	8' x 9'	8' x 8'	8' x 7'	8' x 6'	8' x 5'	8' x 4'	6' x 8'	6' x 7'	6' x 6'	6' x 5'	6' x 4'	6' x 3'	5' x 6'	5' x 5'	5' x 4'	5' x 3'	S x H		
A	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	25'-0	22'-0	19'-0	16'-0	13'-0	10'-0	19'-0	16'-0	13'-0	10'-0	10'-0	A	
B	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	8'-4	7'-4	6'-4	5'-4	4'-4	3'-4	6'-4	5'-4	4'-4	3'-4	3'-4	B	
C	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	16'-8	14'-8	12'-8	10'-8	8'-8	6'-8	12'-8	10'-8	8'-8	6'-8	6'-8	C	
CL	34'-10 1/2	32'-0 1/2	29'-2 1/2	26'-4 1/2	23'-6 1/2	20'-8 1/2	17'-11 1/2	15'-1 1/2	12'-3 1/2	29'-2 1/2	26'-4 1/2	23'-6 1/2	20'-8 1/2	17'-11 1/2	15'-1 1/2	12'-3 1/2	23'-6 1/2	20'-8 1/2	17'-11 1/2	15'-1 1/2	12'-3 1/2	9'-5 1/2	17'-11 1/2	15'-1 1/2	12'-3 1/2	9'-5 1/2	9'-5 1/2	CL	
DL	17'-5 1/2	16'-0 1/2	14'-7 1/2	13'-2 1/2	11'-9 1/2	10'-4 1/2	8'-11 1/2	7'-6 1/2	6'-1 1/2	14'-7 1/2	13'-2 1/2	11'-9 1/2	10'-4 1/2	8'-11 1/2	7'-6 1/2	6'-1 1/2	11'-9 1/2	10'-4 1/2	8'-11 1/2	7'-6 1/2	6'-1 1/2	4'-8 1/2	8'-11 1/2	7'-6 1/2	6'-1 1/2	4'-8 1/2	4'-8 1/2	DL	
DS	10'-5 1/2	9'-7 1/2	8'-9 1/2	7'-11 1/2	7'-0 1/2	6'-2 1/2	5'-4 1/2	4'-6 1/2	3'-8 1/2	8'-9 1/2	7'-11 1/2	7'-0 1/2	6'-2 1/2	5'-4 1/2	4'-6 1/2	3'-8 1/2	7'-0 1/2	6'-2 1/2	5'-4 1/2	4'-6 1/2	3'-8 1/2	2'-10 1/2	5'-4 1/2	4'-6 1/2	3'-8 1/2	2'-10 1/2	2'-10 1/2	DS	
D1	61'-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	41'-8	36'-8	31'-8	26'-8	21'-8	16'-8	31'-8	26'-8	21'-8	16'-8	16'-8	D1	
D2	22'-2 1/2	20'-4 1/2	18'-7 1/2	16'-9 1/2	15'-0 1/2	13'-2 1/2	11'-4 1/2	9'-7 1/2	7'-9 1/2	18'-7 1/2	16'-9 1/2	15'-0 1/2	13'-2 1/2	11'-4 1/2	9'-7 1/2	7'-9 1/2	15'-0 1/2	13'-2 1/2	11'-4 1/2	9'-7 1/2	7'-9 1/2	6'-0 1/2	11'-4 1/2	9'-7 1/2	7'-9 1/2	6'-0 1/2	6'-0 1/2	D2	
E	37'-10 1/2	35'-7 1/2	33'-4 1/2	31'-1 1/2	28'-10 1/2	26'-7 1/2	24'-4 1/2	22'-0 1/2	19'-9 1/2	31'-4 1/2	29'-1 1/2	26'-10 1/2	24'-7 1/2	22'-4 1/2	20'-0 1/2	17'-9 1/2	24'-10 1/2	22'-7 1/2	20'-4 1/2	18'-0 1/2	15'-9 1/2	13'-6 1/2	19'-4 1/2	17'-0 1/2	14'-9 1/2	12'-6 1/2	12'-6 1/2	E	
E1	53'-7 1/2	50'-4 1/2	47'-2 1/2	44'-0 1/2	40'-9 1/2	37'-7 1/2	34'-4 1/2	31'-2 1/2	28'-0 1/2	44'-4 1/2	41'-2 1/2	37'-11 1/2	34'-9 1/2	31'-7 1/2	28'-4 1/2	25'-2 1/2	35'-1 1/2	31'-11 1/2	28'-9 1/2	25'-6 1/2	22'-4 1/2	19'-1 1/2	27'-4 1/2	24'-1 1/2	20'-11 1/2	17'-8 1/2	17'-8 1/2	E1	
FL	17'-9 1/2	16'-4 1/2	14'-11 1/2	13'-6 1/2	12'-1 1/2	10'-8 1/2	9'-3 1/2	7'-10 1/2	6'-5 1/2	14'-11 1/2	13'-6 1/2	12'-1 1/2	10'-8 1/2	9'-3 1/2	7'-10 1/2	6'-5 1/2	12'-1 1/2	10'-8 1/2	9'-3 1/2	7'-10 1/2	6'-5 1/2	5'-0 1/2	9'-3 1/2	7'-10 1/2	6'-5 1/2	5'-0 1/2	5'-0 1/2	FL	
FS	10'-9 1/2	9'-11 1/2	9'-1 1/2	8'-3 1/2	7'-4 1/2	6'-6 1/2	5'-8 1/2	4'-10 1/2	4'-0 1/2	9'-1 1/2	8'-3 1/2	7'-4 1/2	6'-6 1/2	5'-8 1/2	4'-10 1/2	4'-0 1/2	7'-4 1/2	6'-6 1/2	5'-8 1/2	4'-10 1/2	4'-0 1/2	3'-2 1/2	5'-8 1/2	4'-10 1/2	4'-0 1/2	3'-2 1/2	3'-2 1/2	FS	
F1	37'-5 1/2	34'-5 1/2	31'-5 1/2	28'-5 1/2	25'-5 1/2	22'-5 1/2	19'-5 1/2	16'-5 1/2	13'-5 1/2	31'-5 1/2	28'-5 1/2	25'-5 1/2	22'-5 1/2	19'-5 1/2	16'-5 1/2	13'-5 1/2	25'-5 1/2	22'-5 1/2	19'-5 1/2	16'-5 1/2	13'-5 1/2	10'-5 1/2	19'-5 1/2	16'-5 1/2	13'-5 1/2	10'-5 1/2	10'-5 1/2	F1	
F2	2'-11 1/2	2'-8 1/2	2'-6 1/2	2'-4 1/2	2'-1 1/2	1'-11 1/2	1'-8 1/2	1'-6 1/2	1'-4 1/2	2'-6 1/2	2'-4 1/2	2'-1 1/2	1'-8 1/2	1'-6 1/2	1'-4 1/2	2'-1 1/2	1'-11 1/2	1'-8 1/2	1'-6 1/2	1'-4 1/2	2'-1 1/2	1'-4 1/2	1'-8 1/2	1'-6 1/2	1'-4 1/2	1'-1 1/2	1'-1 1/2	F2	
G	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	G
G1	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	13'-2 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	10'-4 1/2	7'-6 1/2	7'-6 1/2	7'-6 1/2	7'-6 1/2	7'-6 1/2	7'-6 1/2	7'-6 1/2	G1	
G2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-4 1/2	14'-3 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	11'-6 1/2	8'-8 1/2	8'-8 1/2	8'-8 1/2	8'-8 1/2	8'-8 1/2	8'-8 1/2	8'-8 1/2	G2	
G3	39'-5 1/2	36'-3 1/2	33'-1 1/2	29'-11 1/2	26'-9 1/2	23'-7 1/2	20'-5 1/2	17'-3 1/2	14'-1 1/2	33'-1 1/2	29'-11 1/2	26'-9 1/2	23'-7 1/2	20'-5 1/2	17'-3 1/2	14'-1 1/2	26'-9 1/2	23'-7 1/2	20'-5 1/2	17'-3 1/2	14'-1 1/2	10'-11 1/2	20'-5 1/2	17'-3 1/2	14'-1 1/2	10'-11 1/2	10'-11 1/2	G3	
G4	39'-9 1/2	36'-3 1/2	32'-8 1/2	29'-6 1/2	26'-4 1/2	22'-10 1/2	19'-8 1/2	16'-6 1/2	13'-4 1/2	32'-8 1/2	29'-6 1/2	26'-4 1/2	22'-10 1/2	19'-8 1/2	16'-6 1/2	13'-4 1/2	26'-4 1/2	22'-10 1/2	19'-8 1/2	16'-6 1/2	13'-4 1/2	10'-2 1/2	19'-8 1/2	16'-6 1/2	13'-4 1/2	10'-2 1/2	10'-2 1/2	G4	
G5	12'-8 1/2	11'-7 1/2	10'-7 1/2	9'-7 1/2	8'-7 1/2	7'-7 1/2	6'-6 1/2	5'-6 1/2	4'-6 1/2	10'-7 1/2	9'-7 1/2	8'-7 1/2	7'-7 1/2	6'-6 1/2	5'-6 1/2	4'-6 1/2	8'-7 1/2	7'-7 1/2	6'-6 1/2	5'-6 1/2	4'-6 1/2	3'-6 1/2	6'-6 1/2	5'-6 1/2	4'-6 1/2	3'-6 1/2	3'-6 1/2	G5	
G6	14'-2 1/2	13'-0 1/2	11'-10 1/2	10'-10 1/2	9'-10 1/2	8'-8 1/2	7'-8 1/2	6'-8 1/2	5'-8 1/2	11'-10 1/2	10'-10 1/2	9'-10 1/2	8'-8 1/2	7'-8 1/2	6'-8 1/2	5'-8 1/2	9'-10 1/2	8'-8 1/2	7'-8 1/2	6'-8 1/2	5'-8 1/2	4'-8 1/2	7'-8 1/2	6'-8 1/2	5'-8 1/2	4'-8 1/2	4'-8 1/2	G6	
G7	1 1/2	6 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	10 1/2	G7
G8	6 1/2	7 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	G8
PL	71'-11 1/2	66'-1 1/2	60'-3 1/2	54'-5 1/2	48'-7 1/2	42'-9 1/2	36'-11 1/2	31'-1 1/2	25'-3 1/2	60'-3 1/2	54'-5 1/2	48'-7 1/2	42'-9 1/2	36'-11 1/2	31'-1 1/2	25'-3 1/2	48'-7 1/2	42'-9 1/2	36'-11 1/2	31'-1 1/2	25'-3 1/2	19'-5 1/2	36'-11 1/2	31'-1 1/2	25'-3 1/2	19'-5 1/2	19'-5 1/2	PL	
PS	43'-1 1/2	39'-7 1/2	36'-1 1/2	32'-7 1/2	29'-1 1/2	25'-7 1/2	22'-1 1/2	18'-7 1/2	15'-1 1/2	36'-1 1/2	32'-7 1/2	29'-1 1/2	25'-7 1/2	22'-1 1/2	18'-7 1/2	15'-1 1/2	29'-1 1/2	25'-7 1/2	22'-1 1/2	18'-7 1/2	15'-1 1/2	11'-8 1/2	22'-1 1/2	18'-7 1/2	15'-1 1/2	11'-8 1/2	11'-8 1/2	PS	
RL	72'-11 1/2	67'-0 1/2	61'-1 1/2	55'-2 1/2	49'-3 1/2	43'-4 1/2	37'-5 1/2	31'-6 1/2	25'-7 1/2	61'-1 1/2	55'-2 1/2	49'-3 1/2	43'-4 1/2	37'-5 1/2	31'-6 1/2	25'-7 1/2	49'-3 1/2	43'-4 1/2	37'-5 1/2	31'-6 1/2	25'-7 1/2	19'-8 1/2	37'-5 1/2	31'-6 1/2	25'-7 1/2	19'-8 1/2	19'-8 1/2	RL	
RS	44'-10 1/2	41'-2 1/2	37'-7 1/2	33'-11 1/2	30'-3 1/2	26'-8 1/2	23'-0 1/2	19'-4 1/2	15'-9 1/2	37'-7 1/2	33'-11 1/2	30'-3 1/2	26'-8 1/2	23'-0 1/2	19'-4 1/2	15'-9 1/2	30'-3 1/2	26'-8 1/2	23'-0 1/2	19'-4 1/2	15'-9 1/2	12'-1 1/2	19'-4 1/2	15'-9 1/2	12'-1 1/2	12'-1 1/2	12'-1 1/2	RS	
S1	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	14'-1 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	11'-3 1/2	8'-5 1/2	8'-5 1/2	8'-5 1/2	8'-5 1/2	8'-5 1/2	8'-5 1/2	8'-5 1/2	S1	
T	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	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	11	10	10	10	9	9	9	9	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	U
W	5'-0	4'-9	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	4'-0	3'-9	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	3'-6	W	

Notes:

1. See Sheet FWH G2-21 for General Notes, Specifications, and Design Stresses.
2. See Sheet FWH 45-1-21 and sheets FWH 45-3-21 thru 45-6-21 for location of certain dimensions tabulated.
3. Dimensions are in feet and inches unless otherwise noted.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER	 Standard Design - Single Reinforced Concrete Box Culverts	
		Flared Wing Headwalls February, 2021	
		Dimension Table 45° Skew	FWH 45-2-21 Sheet 2 of 2