


Dimension Table																			
S x H	12' x 12'	12' x 11'	12' x 10'	12' x 9'	12' x 8'	12' x 7'	12' x 6'	12' x 5'	12' x 4'	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'	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	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	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	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%	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%	C2
C3	6	5½	5	5	5	4½	4½	4½	4½	6	5½	5	5	5	4½	4½	4½	4½	C3
DL	17'-5½	16'-0%	14'-7%	13'-2%	11'-9%	10'-4%	8'-11%	7'-6%	6'-1%	17'-5½	16'-0%	14'-7%	13'-2%	11'-9%	10'-4%	8'-11%	7'-6%	6'-1%	DL
DS	10'-5%	9'-7%	8'-9%	7'-11	7'-0%	6'-2%	5'-4½	4'-6%	3'-8%	10'-5%	9'-7%	8'-9%	7'-11	7'-0%	6'-2%	5'-4½	4'-6%	3'-8%	DS
D1	61'-8	56'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	61'-8	56'-8	51'-8	46'-8	41'-8	36'-8	31'-8	26'-8	21'-8	D1
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%	D2
E	65'-10%	63'-5%	61'-0%	58'-9%	56'-6%	54'-1%	51'-10	49'-6%	47'-3%	65'-10%	63'-5%	61'-0%	58'-9%	56'-6%	54'-1%	51'-10	49'-6%	47'-3%	E
E1	93'-2%	89'-9%	86'-4	83'-1%	79'-11%	76'-6	73'-3%	70'-1%	66'-10%	84'-8%	81'-3%	77'-10%	74'-7%	71'-5%	68'-0%	64'-9%	61'-7%	58'-5	E1
FL	17'-9½	16'-4%	14'-11%	13'-6%	12'-1%	10'-8%	9'-3%	7'-10%	6'-5%	17'-9½	16'-4%	14'-11%	13'-6%	12'-1%	10'-8%	9'-3%	7'-10%	6'-5%	FL
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%	FS
F1	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%	F1
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	F2
G	37'-4	37'-2	37'-0	37'-0	37'-0	36'-10	36'-10	36'-10	36'-10	31'-4	31'-2	31'-0	31'-0	31'-0	30'-10	30'-10	30'-10	30'-10	G
G1	52'-9%	52'-6%	52'-3%	52'-3%	52'-3%	52'-1%	52'-1%	52'-1%	52'-1%	44'-3%	44'-0%	43'-10%	43'-10%	43'-10%	43'-7%	43'-7%	43'-7%	43'-7%	G1
G2	53'-11%	53'-9	53'-6%	53'-6	53'-6	53'-3	53'-2%	53'-2%	53'-2%	45'-6	45'-3%	45'-0%	45'-0%	45'-0%	44'-9%	44'-9%	44'-8%	44'-8%	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%	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%	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%	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%	G6
G7	1%	6%	10%	10%	10%	1'-2%	1'-2%	1'-2%	1'-2%	1%	6%	10%	10%	10%	1'-2%	1'-2%	1'-2%	1'-2%	G7
G8	6%	7%	8%	8%	8%	9%	9%	9%	9%	6%	7%	8%	8%	8%	9%	9%	9%	9%	G8
K	38'-0	37'-10	37'-8	37'-8	37'-8	37'-6	37'-6	37'-6	37'-6	32'-0	31'-10	31'-8	31'-8	31'-8	31'-6	31'-6	31'-6	31'-6	K
K1	53'-8%	53'-6	53'-3%	53'-3%	53'-3%	53'-0%	53'-0%	53'-0%	53'-0%	45'-3	45'-0%	44'-9%	44'-9%	44'-9%	44'-6%	44'-6%	44'-6%	44'-6%	K1
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%	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%	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%	RL
RS	44'-10%	41'-2%	37'-7%	33'-11%	30'-3%	26'-8%	23'-0%	19'-4%	15'-9%	44'-10%	41'-2%	37'-7%	33'-11%	30'-3%	26'-8%	23'-0%	19'-4%	15'-9%	RS
R1	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%	R1
S1	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%	S1
T	1'-2	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	T
U	1'-0	11	10	10	10	9	9	9	9	1'-0	11	10	10	10	9	9	9	9	U
V	1'-0	11	10	10	10	9	9	9	9	1'-0	11	10	10	10	9	9	9	9	V
V1	1'-5	1'-3%	1'-2%	1'-2%	1'-2%	1'-0%	1'-0%	1'-0%	1'-0%	1'-5	1'-3%	1'-2%	1'-2%	1'-2%	1'-0%	1'-0%	1'-0%	1'-0%	V1
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	3'-6	W

Notes:

1. See Sheet TRFWH G1-21 for General Notes, Specifications, and Design Stresses.
2. See Sheet TRFWH 45-1-21 and sheets TRFWH 45-3-21 thru TRFWH 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 - Triple Reinforced Concrete Box Culverts	
		Flared Wing Headwalls February, 2021	
		Dimension Table 45° Skew	TRFWH 45-2-21