Dimension Table																			
S×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
Α	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	Α
В	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	В
С	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'-2¾	26-4¾	23 6%	20'-81/8	17'-11	15-1	12 -3⅓	34'-10%	32 -0⅓	29'-2¾	26 4¾	23-6%	20'-81/9	17'-11	15'-1	12 3⅓	C1
C2	33'-10%	31'-1%	28'-4¾	25'-6¾	22'-8%	19'-11%	17 -2	14-4	11'-6⅓	33'-10%	31'-1%	28'-4¾	25'-6¾	22'-8%	19'-11⅓	17 -2	14'-4	11'-6⅓	C2
C3	6	5½	5	5	5	4½	4½	4½	4½	6	5½	5	5	5	4½	4½	4½	4½	C3
DL	17'-5⅓	16'-0¾	14'-7%	13'-2%	11 9%	10'-4⅓	8'-11½	7'-6½	6'-1½	17 -51⁄4	16'-0%	14 7%	13'-2%	11-9%	10'-4½	8'-11½	7'-6½	6'-1½	DL
DS	10'-5%	9'-7¾	8'-9¼	7'-11	7'-0⅓	6'-2%	5'-4½	4'-61/4	3'-8⅓	10'-5%	9'-7¾	8-91/4	7'-11	7'-0⅓	6'-2%	5'-4½	4'-61/4	3'-8⅓	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'-2⅓	20'-4¾	18 - 7⅓	16'-9%	15'-0	13'-2⅓	11'-4¾	9'-71/4	7'-9%	22'-2⅓	20'-4¾	18'-7⅓	16'-9%	15'-0	13'-2⅓	11'-4¾	9'-71/4	7'-9%	D2
Ε	65'-10%	63'-5¾	61'-0%	58'-9%	56'-61/4	54'-1⅓	51-10	49'-6⅓	47'-3%	59'-10⅓	57'-5¾	55'-0%	52'-9%	50'-61/4	48'-1⅓	45-10	43'-6⅓	41-3%	Е
E1	93'-2½	89'-91/4	86'-4	83'-1%	79'-111/4	76'-6	73 - 3%	70'-1½	66-10¾	84'-8%	81 3%	77-101/4	74'-7¾	71'-5%	68'-0⅓	64'-9¾	61 7⅓	58'-5	E1
FL	17'-9⅓	16'-4⅓	14 11%	13'-6%	12 1%	10'-8½	9'-31/2	7 - 101/2	6'-5½	17-9¼	16'-4%	14 11%	13'-6%	12 1%	10'-8½	9'-3½	7-10½	6'-5½	FL
FS	10'-9%	9 11%	9 11/4	8'-3	7 4%	6'-6%	5'-8½	4 101/4	4'-0⅓	10′-9%	9 11%	9 11/4	8'-3	7'-4%	6'-6%	5-8½	4 10⅓	4'-0⅓	FS
F1	37'-5%	34'-5⅓	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 -111/4	2'-8%	2'-6½	2'-4	2'-1%	1'-111/4	1'-8%	1'-6½	1'-4	2-111/4	2'-8%	2'-6½	2'-4	2'-1%	1'-111/4	1'-8%	1'-6½	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'-6¾	52'-3%	52'-3%	52'-3%	52'-1⅓	52'-1⅓	52'-1⅓	52'-1⅓	44 3 1/4	44'-0%	43'-10⅓	43'-10⅓	43'-10⅓	43'-71/4	43 71/4	43'-7½	43'-7½	G1
G2	53-11%	53'-9	53'-6⅓	53'-6	53'-6	53'-3	53 -21/8	53 -2¾	53'-2⅓	45'-6	45 3⅓	45'-0⅓	45'-0⅓	45'-0%	44 91/4	44 9⅓	44'-81/8	44'-8%	G2
G3	39'-5¾	36'-3½	33'-1½	29'-11½	26'-9%	23'-7⅓	20'-5¾	17'-3¾	14'-1%	39'-5¾	36'-3½	33'-1½	29'-11½	26'-9%	23'-7%	20'-5¾	17'-3¾	14'-1%	G3
G4	39'-9½	36'-3	32'-8½	29'-6%	26'-4%	22'-101/4	19'-8¾	16'-6½	13'-4¾	39'-9½	36'-3	32'-8½	29'-6%	26'-4%	22'-101/4	19'-8⅓	16'-6½	13'-4¾	G4
G5	12'-8⅓	11'-7⅓	10'-7⅓	9'-7½	8'-71/4	7'-7	6'-6¾	5'-6⅓	4'-6¾	12'-81/8	11 -7%	10'-7%	9'-7½	8'-71/4	7'-7	6'-6¾	5'-6⅓	4'-6¾	G5
G6	14'-2⅓	13'-0½	11'-10¾	10'-10⅓	9'-10%	8'-8¾	7'-8½	6'-8¾	5'-8⅓	14 -2⅓	13'-0½	11-10¾	10'-10⅓	9-10%	8'-8¾	7'-8½	6'-8¾	5'-8⅓	G6
G7	1%	6⅓	10⅓	10½	10⅓	1-2¾	1-2¾	1'-2%	1'-2%	1%	6⅓	10½	10½	10½	1-2¾	1-2¾	1 -2%	1'-2%	G7
G8	6⅓	7⅓	81/4	81/4	81/4	91/4	91/4	9%	9¾	6⅓	71⁄6	81/4	81/4	81/4	91/4	91/4	9¾	9¾	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'-8⅓	53'-6	53'-3¼	53'-3¼	53'-3¼	53'-0⅓	53'-0¾	53'-0%	53'-0¾	45'-3	45'-01/4	44'-9¾	44'-9%	44'-9⅓	44'-6%	44'-6%	44'-6%	44'-6%	K1
PL	71-11	66'-1	60'-3	54'-5⅓	48'-7⅓	42'-9⅓	36'-11⅓	31-1⅓	25'-31/4	71-11	66'-1	60'-3	54'-5⅓	48'-7⅓	42'-9⅓	36'-11⅓	31-1⅓	25'-31/4	PL
PS	43 -1¾	39'-7¾	36'-1⅓	32 - 71/8	29'-1%	25 - 71/8	22'-1⅓	18 -7⅓	15 -1%	43 - 1¾	39 -7¾	36 -11%	32 -7⅓	29'-1%	25 -7%	22 -11/8	18 -71/8	15 -1%	PS
RL	72 -11%	67-0%	61-1%	55'-2%	49'-3%	43'-4%	37 -5⅓	31 6⅓	25 7%	72 -11%	67 -0%	61-1%	55 2⅓	49'-3%	43'-4%	37 -5%	31 6%	25 7⅓	RL
RS	44-101/2	41'-2%	37'-7⅓	33'-11⅓	30'-3%	26'-81/4	23'-0½	19-4%	15-91/4	44'-10⅓	41'-2%	37'-7⅓	33'-11⅓	30'-3%	26'-81/4	23'-0½	19-4%	15'-91/4	RS
R1	35'-7½	32'-8⅓	29'-9¾	26'-9½	23'-9½	20-101/2	17'-10½	14'-10%	11'-10¾	35'-7½	32'-8⅓	29'-9¾	26'-9½	23′-9½	20-101/2	17-10½	14'-10%	11'-10¾	R1
S1	16'-11%	16'-11%	16'-11%	16'-11%	16'-11%	16'-11%	16'-11%	16'-11%	16'-11%	14-1¾	14'-1¾	14'-1¾	14'-1¾	14-1¾	14 -1¾	14 -1¾	14'-1¾	14 -1¾	S1
Т	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	Т
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'-3½	1'-2⅓	1'-2⅓	1 -2⅓	1'-0¾	1-0¾	1'-0¾	1'-0¾	1'-5	1-3½	1'-2⅓	1'-2⅓	1'-2⅓	1'-0¾	1'-0¾	1'-0¾	1'-0¾	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:

- See Sheet TRFWH G1-21 for General Notes, Specifications, and Design Stresses.
 See Sheet TRFWH 45-1-21 and sheets TRFWH 45-3-21 thru TRFWH 45-6-21 for location of certain dimensions tabulated.
 Dimensions are in feet and inches unless otherwise noted.



COUVADOT Highway Division

Standard Design - Triple Reinforced Concrete Box Culverts

Flared Wing Headwalls

February, 2021

Dimension Table 45° Skew

TRFWH 45-2-21