												Dimer	nsion	Table	5											
S x H	12' x 12'	12 x 11	12 × 10	12' x 9'	12 x 8	12 x 7	12 × 6	12' x 5'	12 x 4	10 x 12	10 × 11	10 x 10	10 x 9	10 x 8	10 x 7	10 x 6	10 x 5	10 × 4	8 x 10	8' x 9'	8' x 8'	8' x 7'	8 x 6	8' x 5'	8 × 4	SxH
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	31'-0	28'-0	25'-0	22'-0	19'-0	16'-0	13'-0	А
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	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	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'-6⅓	20'-8%	17'-11	15'-1	12'-3⅓	34'-10%	32'-0%	29'-2¾	26'-4¾	23'-61%	20'-8%	17'-11	15'-1	12'-3⅓	29'-2¾	26'-4¾	23'-6%	20'-8%	17'-11	15'-1	12 -3⅓	C1
C2	33 -10⅓	31-1%	28'-4¾	25'-6¾	22 -81/8	19'-11⅓	17'-2	14-4	11'-6⅓	33'-10%	31-1⅓	28'-4¾	25'-6¾	22'-81/8	19'-11%	17 -2	14'-4	11'-6⅓	28'-4¾	25'-6¾	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	5	5	5	4½	4½	4½	41/2	C3
DL	17'-5¼	16'-0¾	14 -7⅓	13'-2⅓	11'-9%	10'-4½	8'-11½	7'-6½	6'-1½	17'-5⅓	16'-0%	14 -7¾	13 -2⅓	11'-9¾	10'-4½	8'-11½	7'-6½	6-11/2	14'-7⅓	13-2⅓	11-9%	10'-4½	8'-11½	7'-6½	6'-1½	DL
DS	10 -5%	9'-7⅓	8-91/4	7'-11	7'-0%	6 -2%	5'-4½	4-61/4	3'-8⅓	10'-5%	9'-7⅓	8-91/4	7'-11	7'-0%	6'-2%	5 41/2	4 6 1/4	3'-8⅓	8-91/4	7'-11	7'-0%	6'-2%	5-41/2	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	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 -2%	11 4 1/4	9'-71/4	7'-9%	22'-2¾	20'-4¾	18'-71/4	16'-9⅓	15'-0	13'-2%	11-4%	9-71/4	7'-9%	18'-7⅓	16'-9%	15'-0	13 -2⅓	11'-4¾	9'-71/4	7'-9%	D2
Е	52'-10%	50'-6¾	48 -2⅓	45 -11%	43 -81/4	41'-4%	39'-1	36'-9%	34'-6⅓	48'-10%	46 6¾	44 -2%	41-11%	39'-8⅓	37 -4⅓	35 -1	32'-9%	30'-6%	40 -2⅓	37 -11%	35'-81/4	33'-41/8	31-1	28-91/8	26'-6%	Е
E1	74'-9%	71'-6	68 -21/4	64-11%	61'-9%	58'-5%	55'-31/4	52'-0%	48 - 10%	69'-2	65 -10⅓	62 6%	59'-4	56-1½	52 9¾	49'-7%	46'-5	43'-21/2	56 -101/2	53'-81/6	50'-5%	47 -1%	43 -11½	40'-9	37'-6%	E1
FL	17'-9¼	16'-4%	14'-11⅓	13'-6%	12 -1⅓	10'-8½	9'-3½	7'-10½	6'-5½	17'-9¼	16'-4%	14-11%	13'-6⅓	12'-1⅓	10'-8½	9'-3½	7 -10½	6'-5½	14 -11%	13 -6%	12'-1%	10'-8½	9'-3½	7'-10½	6'-5½	FL
FS	10'-9%	9'-11¾	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 1/8	6'-6%	5-8½	4 101/4	4'-0⅓	9-11/4	8'-3	7'-4%	6'-6%	5'-81/2	4'-101/4	4'-0⅓	FS F1
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% 2 -4	25 5 %	22 5%	19-5%	16'-5%	13 -5%	31-5%	28 -5% 2 -4	25'-5%	22'-5%	19'-5%	16 -5%	13-5%	F2
F2 G	2-111/4	2 8%	2-6½ 24-2	2'-4	2 -1%	1-111/4	1 -8 1/8 24 -1	1-6½ 24-1	1-4 24-1	2 - 111/4	2'-8%	2 - 6½ 20 - 2	20-2	2 - 1%	1-111/4	1 -8½ 20 -1	1 -6½ 20 -1	1'-4	2 -6½ 16 -2	16-2	2'-1% 16'-2	1 111/4	1-8% 16-1	1 -6½ 16 -1	1 -4 16 -1	G G
G1	34'-5					34 0%															-	22'-9	22 -9	22-9	22 - 9	G1
G2	35 - 71/4	34'-3½ 35'-5¾	34 -21/ ₈ 35 -41/ ₄	34'-21/8 35'-41/4	34'-21/ ₈	35 -2%	34'-0¾ 35'-2½	34'-0¾ 35'-2¾	34'-0¾ 35'-2⅓	28-9½ 29-11¾	28 - 7% 29 - 9%	28'-61/4	28'-61/4	28'-61/4	28 4 1/8 29 6 1/4	28'-4% 29'-6%	28'-4%	28'-4%	22 -10% 24 -0%	22 -10% 24 -0%	22 -10¾ 24 -0¾	23 -10%	23 10¾	23 -10%	23 10%	G2
G2 G3	39 5 %	36-3½	33 -11/2	29'-11½	26'-9%	23 7%	20'-5¾	17'-3¾	14'-1%	39-5%	36-3½	33 -11/2	29-8%	26 -9%	23 - 7%	29'-6%	17-31/4	14 -1%	33-1½	29 -11½	26'-9%	23 - 7%	20-53/4	17 - 3¾	14-1%	G3
G4	39-3%	36-3	32 -81/2	29-1172	26 - 4%	22 -101/4	19'-8%	16'-61/	13 -4%	39-378	36-372	32 81/2	29-1172	26 - 4%	22 - 101/4	19-8%	16-6%	13'-4%	32 - 81/2	29 -6%	26-4%	22 - 101/4	19'-8¾	16-6%	13 -4%	G4
G5	12'-81/4	11'-7%	10 7%	9 71/5	8-71/4	7 -7	6 6 %	5-6%	4 6 %	12 8 1/8	11 - 7%	10 7%	9 7 1/5	8-71/4	7 -7	6'-6¾	5-6%	4'-6%	10'-7%	9 71/5	8 -71/4	7 -7	6'-6%	5'-6%	4 6 %	G5
G6	14 - 21/6	13'-01/5	11 10¾	10 101/2	9-10%	8'-8¾	7'-81/5	6-8%	5'-81/6	14'-21/8	13 01/5	11 10¾	10 10%	9-10%	8'-8¾	7'-81/5	6.8%	5'-81/6	11 10 1/8	10 10%	9-10%	8-8%	7'-81/2	6'-8%	5-81/6	G6
G7	1%	61/8	10½	10½	10½	1'-2¾	1'-2¾	1'-2%	1'-2%	1%	61/6	10½	101/2	10½	1'-2¾	1'-2¾	1'-2%	1-2%	10½	101/2	10½	1-2¾	1'-2¾	1'-2%	1'-2%	G7
G8	6½	71/6	81/4	81/4	81/4	91/4	91/4	9%	9%	61/4	71/6	81/4	81/4	81/4	91/4	91/4	9%	9%	81/4	81/4	81/4	91/4	91/4	9%	9%	G8
К	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	16 10	16 10	16 -10	16 9	16-9	16 9	16-9	K
K1	35'-41/4	35'-2%	35'-1¾	35'-1¾	35'-1¾	35'-0	35'-0	35'-0	35'-0	29'-8¾	29'-7	29'-5½	29'-51/2	29'-51/2	29'-41/6	29'-41/8	29'-41/6	29'-41/8	23'-9%	23'-9%	23'-9%	23'-81/4	23'-81/4	23'-81/4	23'-81/4	K1
PL	71-11	66 -1	60'-3	54'-5⅓	48 -7⅓	42'-91%	36'-11⅓	31'-1⅓	25'-31/4	71-11	66'-1	60'-3	54'-51%	48'-7⅓	42'-9⅓	36'-111%	31-1%	25'-31/4	60'-3	54'-51%	48'-71/6	42'-91%	36'-11⅓	31-11/8	25 - 31/4	PL
PS	43-1¾	39-7¾	36'-1⅓	32'-71/8	29'-1⅓	25'-7⅓	22 1%	18'-7%	15'-1%	43 1¾	39'-7¾	36 1%	32 71/8	29 11/8	25 71/8	22 11/8	18 -7%	15 -11/8	36'-1⅓	32'-71/6	29'-1%	25 - 71/3	22'-11/8	18 7 1/8	15'-1⅓	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'-7⅓	61-1%	55'-2%	49'-3%	43'-4%	37'-5⅓	31-6%	25 - 7%	RL
RS	44'-10½	41-2%	37 -7⅓	33'-11½	30'-3%	26'-81/4	23'-0½	19'-4%	15'-9⅓	44'-10⅓	41-2%	37'-71/4	33'-11½	30'-3%	26'-81/4	23'-0½	19'-4%	15'-9⅓	37'-7⅓	33'-11½	30'-3%	26'-81/4	23'-0⅓	19'-4%	15-91/4	RS
R1	35'-7½	32'-8½	29'-9¾	26'-9½	23'-9½	20'-10½	17'-10½	14'-10%	11-10¾	35'-7½	32'-8½	29'-9¾	26'-9½	23'-9½	20'-10½	17'-10⅓	14'-10%	11-10¾	29 -9¾	26'-9½	23'-9½	20'-10½	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	11'-3¾	11-3¾	11-3¾	11-3¾	11'-3¾	11'-3¾	11-3¾	S1
Т	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	1'-2	15-1	15-1	1'-1	1'-1	1'-1	1'-1	1'-1	1'-1	1-1	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	1'-0	T
U	1'-0	11	10	10	10	9	9	9	9	1'-0	11	10	10	10	9	9	9	9	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	10	10	10	9	9	9	9	V
V1	1'-5	1'-3⅓	1-21/8	1'-2⅓	1'-2⅓	1'-0¾	1'-0¾	1'-0¾	1'-0¾	1'-5	1'-3½	1'-2⅓	1-21/8	1-21/8	1'-0¾	1'-0¾	1'-0¾	1'-0¾	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	4'-6	4'-3	4'-0	3'-9	3'-6	3'-6	3'-6	W

Notes:

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

		ENGINEER	CIOWADOT His	ghway Division						
١	ш	ENGIL	Standard Design - Twin Reinforced Concrete Box Culverts							
١	N DATE	BRIDGE	Flared Wing Headwalls							
	REVISION	B 8	February, 2021							
	LATEST RE	APPROVED	Dimension Table 45° Skew	TWFWH 45-2-21						