												Dir	nensi	on Ta	ble												
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
Α	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	А
В	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	В
С	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	С
C1	25 6½	23′-5%	21-4¾	19'-3⅓	17'-3	15 -2⅓	13 1%	11 -0½	8 11%	21-4¾	19 -3⅓	17'-3	15 -21⁄4	13 -1%	11 0½	8-11%	17'-3	15 -2⅓	13 -1%	11 0½	8-11%	6'-10%	13 1%	11 0⅓	8-11%	6-10%	C1
DL	10'-3⅓	9'-5⅓	8'-71⁄4	7-91/4	6'-11½	6-11/4	5'-3⅓	4'-5⅓	3-71⁄4	8-71/4	7'-9¼	6'-11½	6 -1 1⁄4	5'-3¼	4'-5¼	3 -71⁄₄	6'-11½	6'-11/4	5'-3¼	4'-5⅓	3'-71⁄4	2'-9⅓	5'-3¼	4'-5¼	3'-71⁄₄	2'-91/4	DL
DS	8'-11¾	8'-3	7'-6⅓	6'-9½	6'-0¾	5'-4	4'-71/4	3 -10%	3 - 1%	7'-61/4	6'-9⅓	6'-0¾	5 4	4'-71/4	3 - 10%	3 -1%	6'-0¾	5'-4	4-71/4	3'-10⅓	3'-1%	2'-5⅓	4'-71/4	3 -10⅓	3 1%	2'-5⅓	DS
D1	20'-6½	18'-10⅓	17'-2⅓	15'-6½	13'-10½	12'-2½	10'-6%	8'-10%	7'-2%	17'-2⅓	15'-6½	13'-10½	12'-2⅓	10'-6⅓	8'-10%	7'-2⅓	13'-10⅓	12'-2⅓	10′-6%	8'-10%	7'-2%	5'-6%	10'-6⅓	8'-10⅓	7'-2⅓	5'-6⅓	D1
D2	7⅓	6⅓	61/4	5%	5	4½	3⅓	31/4	2%	6¼	5%	5	4½	3%	31/4	2⅓	5	4½	3%	31/4	2⅓	2	3%	31/4	2%	2	D2
Е	29'-21/8	27'-8⅓	26'-1%	24-6¾	23 -0	21-51/4	19'-10½	18'-3%	16'-9⅓	24-1%	22 6¾	21'-0	19'-5¼	17-10½	16'-3%	14-9%	19'-0	17-51/4	15-10½	14-3%	12 9⅓	11-2%	14 10½	13'-3%	11-9⅓	10'-2%	Е
E1	30 -31⁄4	28'-7%	27'-0½	25'-5⅓	23'-9¾	22 -2%	20'-7	18-11⅓	17'-4⅓	24'-11%	23 41/4	21-8%	20'-1½	18'-6⅓	16-10¾	15 -3%	19'-8	18'-0⅓	16'-5⅓	14'-9%	13'-21/2	11-7⅓	15'-4%	13'-9⅓	12'-2⅓	10 -6¾	E1
FL	10 -7⅓	9'-9⅓	8-11½	8-11/4	7-31⁄₄	6'-51/4	5 -71⁄4	4-91/4	3 111/4	8-111/4	8 -1 ½	7'-31/4	6 -5 1/4	5'-7⅓	4'-91/4	3-11⅓	7 -31/4	6'-5¼	5 -71⁄4	4-91⁄4	3 -111/4	3'-1⅓	5-71/4	4'-9¼	3 -11⅓	3 -11⁄4	FL
FS	9'-3¾	8'-7	7-101/4	7-1½	6'-4¾	5'-8	4'-11⅓	4'-2%	3'-5%	7'-101/4	7'-1½	6'-4¾	5'-8	4-111/4	4'-2%	3 5 %	6'-4¾	5'-8	4-111/4	4'-2%	3'-5%	2'-9⅓	4-111/4	4 -2%	3'-5%	2'-9⅓	FS
F1	14'-3⅓	13'-1¾	12'-0¼	10'-10%	9'-9%	8'-71/2	7'-6	6'-4¾	5'-2%	12'-0⅓	10'-10%	9'-9⅓	8'-7½	7'-6	6'-4%	5'-2⅓	9'-91/8	8'-7½	7'-6	6'-4¾	5'-2%	4'-1%	7'-6	6'-4¾	5'-2%	4'-1⅓	F1
F2	6'-4	5'-10⅓	5'-4¾	4'-10½	4'-4%	3'-10⅓	3'-5	2 -111/4	2'-5%	5'-4¾	4-10½	4'-4⅓	3'-10%	3'-5	2'-111/4	2'-5¾	4'-4%	3'-10%	3'-5	2'-111/4	2'-5%	1-11½	3'-5	2 -111/4	2'-5%	1-11½	F2
G	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	9'-4	7'-4	7'-4	7'-4	7'-4	7'-4	7'-4	7'-4	5'-4	5'-4	5'-4	5'-4	5'-4	5'-4	4'-4	4'-4	4'-4	4'-4	G
G1	9'-8	9'-8	9'-8	9'-8	9'-8	9'-8	9'-8	9'-8	9'-8	7-7%	7 -7⅓	7'-7⅓	7-7%	7'-71%	7-7%	7 - 7 1/8	5'-6⅓	5-61/4	5'-6¼	5'-6¼	5'-6¼	5 -61⁄4	4'-5%	4'-5%	4'-5%	4'-5%	G1
G2	10 -10¾	10'-10⅓	10'-10⅓	10'-10%	10'-10½	10'-10½	10'-10⅓	10'-10⅓	10'-10⅓	8'-9¾	8'-9¾	8'-9¾	8'-9%	8'-9½	8'-9%	8'-91/4	6'-8%	6'-8¾	6'-8¾	6'-8%	6'-8⅓	6'-8⅓	5'-81/4	5'-8⅓	5'-8	5'-7¾	G2
G3	18'-10⅓	17-41/4	15'-10⅓	14'-41/8	12-10	11-3%	9'-9¾	8'-3%	6'-9%	15-10%	14'-41/8	12'-10	11'-3%	9'-9¾	8'-3%	6'-9%	12'-10	11'-3%	9'-9¾	8'-3%	6'-9%	5-3½	9'-9¾	8'-3%	6'-9%	5'-3½	G3
G4	19'-6%	17-9%	16'-0%	14'-6⅓	13'-0½	11-3%	9'-9%	8'-3½	6'-9%	16'-0%	14 6⅓	13'-0½	11'-3%	9'-9%	8'-3½	6'-9%	13'-0½	11 -3%	9'-9%	8'-3½	6'-9%	5'-3¾	9'-9%	8'-3½	6'-9%	5'-3¾	G4
G5	13 -10%	12'-9	11-7¾	10 -6⅓	9'-5	8'-3¾	7'-2%	6'-1	4-111/4	11-7¾	10 6⅓	9'-5	8-3¾	7'-2¾	6'-1	4-11¾	9'-5	8-3¾	7'-2%	6-1	4-11¾	3'-10%	7'-2%	6'-1	4-11¾	3'-10%	G5
G6	14 -111/4	13 -7%	12-4%	11 -31/9	10 -1¾	8'-10¾	7'-91/8	6 7 %	5'-6%	12'-4%	11 31/8	10'-1¾	8 -10%	7'-91/8	6'-7%	5'-6%	10'-1¾	8'-10%	7-9%	6'-7%	5'-6%	4'-5½	7'-9⅓	6'-7%	5'-6%	4'-5½	G6
G7	2%	5⅓	81/8	81/8	81%	10¾	10%	10%	10⅓	81/8	81/8	81/6	10¾	10%	10%	10½	81/8	10¾	10%	10⅓	10½	10%	10%	10%	10½	10%	G7 G8
G8 PL	3¾	5%	7½	7½	7½	9¼ 25-2	91/4	91/4	91/8	7½	7½	7½	9¼ 25-2	91/4	91/4	9%	7½	9¼ 25'-2	91/4	9½	91/8	91/8	91/4	91/4	91/8	9%	G8 PL
PS	42'-3%	38 -10% 34 -0	35'-5½ 31'-0	32 -0¼ 28 -0	28 -7½ 25 -0	22 -0	21-8¾ 19-0	18 - 3 % 16 - 0	14 - 10 ⅓ 13 - 0	35 -5½ 31 -0	32 -01/4 28 -0	28 - 71/ <sub>8</sub> 25 - 0	23 -2	21'-8¾ 19'-0	18'-3% 16'-0	14 -10⅓ 13 -0	28 - 7½ 25 - 0	22 -0	21 -8¾ 19 -0	18 -3⅓ 16 -0	14 -10⅓ 13 -0	11 -51/4 10 -0	21 -8¾ 19 -0	18'-3⅓ 16'-0	14 -10⅓ 13 -0	11-5¼ 10-0	PS PS
RI	37 -0⅓ 44 -1	40 -61⁄4	36 -11½	33'-41/4	29'-9%	26 -21/5	22 - 7%	19 0%	15 -5%	36-11%	33 4½	29 9%	26'-21/5	22 -7%	19 -03/4	15 -5%	29'-9%	26 -21/5	22 - 7%	19'-0¾	15 -5%	11-11	22 -7%	19 -03/4	15 -51/4	11-11	RL PS
RS	39-01/4	40 -616 35 -1016	32 - 81/6	29'-61/4	26 41/4	23 -2%	20-0%	16-10%	13'-8%	32 -81/4	29-61/4	26 -41/4	23 -2%	20 -0%	16-10%	13 -81/6	26 41/4	26 - 21/2	20'-0%	16 -10%	13 - 8 1/6	10-6%	20 -0%	16-10%	13 - 8 1/3	10-6%	RS
51	10 -4½	10 4 1/4	10 -4 1/4	10 41/4	10 -4 1/4	10 41/4	10'-4½	10 - 10 %	10'-41/4	8 3 %	8 - 3 %	8 3 %	8-3%	8'-3%	8 - 3 %	8 3%	6-21/5	6-21/5	6-21/5	6'-21/2	6-21/5	6'-21/5	5'-21/8	5-21/6	5 -21/4	5 21/4	51
T T	10'-4%	10"-4%	10-4%	10 4 74	10 4 24	10 4 %	10-4%	1 - 1	10 474	1'-0	1'-0	8 -3% 1 -0	1'-0	1-0	1-0	1 0	1 0	1 0	1'-0	1-0	1'-0	1-0	1-0	1 0	1'-0	1'-0	T T
H	1 0	11	10	10	10	9	9	9	9	10	10	10	9	9	9	9	10	9	9	9	9	9	9	9	9	9	Ü
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	w
	3-0	7-5	- <del>-</del> -0	3	7-0	J -9	3-0	5-0	J-0	- ·0	7-5	U	J-5	J-0	J-0	5-0	- <del>-</del> -0	J-5	5.0	5.0	3-0	3-0	J-0	3.0	5-0	3-0	**

## Notes:

- See Sheet FWH G2-21 for General Notes, Specifications, and Design Stresses.
  See Sheet FWH 15-1-21 and sheets FWH 15-3-21 thru 15-5-21 for location of certain dimensions tabulated.
  Dimensions are in feet and inches unless otherwise noted.





Standard Design - Single Reinforced Concrete Box Culverts

Flared Wing Headwalls

February, 2021

Dimension Table 15° Skew

FWH 15-2-21 Sheet 2 of 2