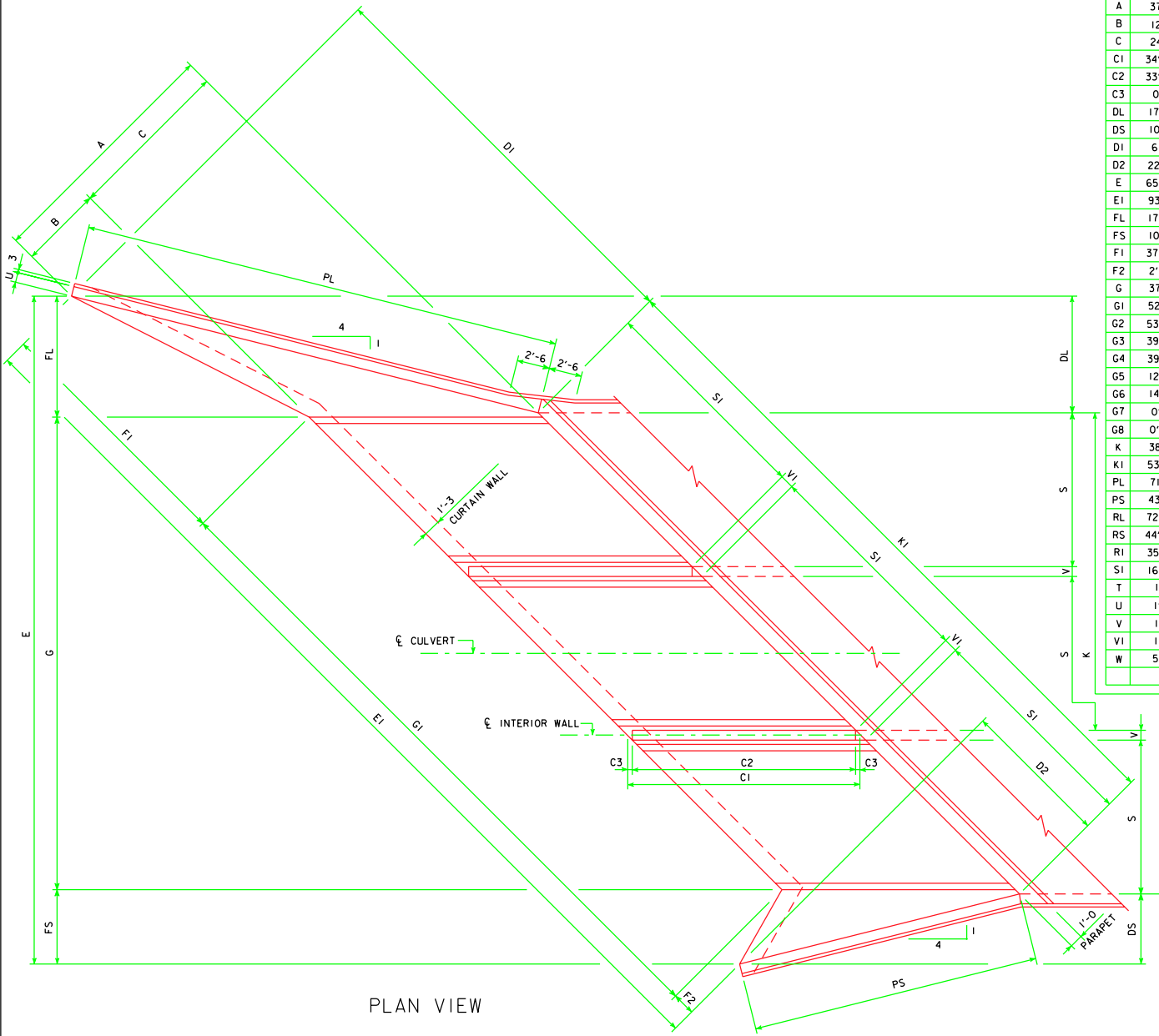


CORRECTION 10-09 - MOVED THE "S", "V", "DL" & "K" DIMENSIONS SO THEY ARE NOT ON TOP OF THE DIMENSION TABLE.
TRH 45-1-01 - 09-01 THIS SHEET ISSUED.



PLAN VIEW

DIMENSIONS TABLE

SxH	12' x 12'	12' x 10'	12' x 8'	12' x 6'	10' x 12'	10' x 10'	10' x 8'	10' x 6'	SxH
A	37'-0	31'-0	25'-0	19'-0	37'-0	31'-0	25'-0	19'-0	A
B	12'-4	10'-4	8'-4	6'-4	12'-4	10'-4	8'-4	6'-4	B
C	24'-8	20'-8	16'-8	12'-8	24'-8	20'-8	16'-8	12'-8	C
C1	34'-10 ³ / ₈	29'-2 ³ / ₄	23'-6 ³ / ₈	17'-11	34'-10 ³ / ₈	29'-2 ³ / ₄	23'-6 ³ / ₈	17'-11	C1
C2	33'-10 ³ / ₈	28'-4 ³ / ₄	22'-8 ³ / ₈	17'-2	33'-10 ³ / ₈	28'-4 ³ / ₄	22'-8 ³ / ₈	17'-2	C2
C3	0'-6	0'-5	0'-5	0'-4 ¹ / ₂	0'-6	0'-5	0'-5	0'-4 ¹ / ₂	C3
DL	17'-5 ¹ / ₄	14'-7 ³ / ₈	11'-9 ³ / ₈	8'-11 ¹ / ₂	17'-5 ¹ / ₄	14'-7 ³ / ₈	11'-9 ³ / ₈	8'-11 ¹ / ₂	DL
DS	10'-5 ³ / ₈	8'-9 ¹ / ₄	7'-0 ¹ / ₂	5'-4 ¹ / ₂	10'-5 ³ / ₈	8'-9 ¹ / ₄	7'-0 ¹ / ₂	5'-4 ¹ / ₂	DS
D1	61'-8	51'-8	41'-8	31'-8	61'-8	51'-8	41'-8	31'-8	D1
D2	22'-2 ³ / ₈	18'-7 ¹ / ₄	15'-0	11'-4 ³ / ₈	22'-2 ³ / ₈	18'-7 ¹ / ₄	15'-0	11'-4 ³ / ₈	D2
E	65'-10 ³ / ₈	61'-0 ³ / ₈	56'-6 ¹ / ₄	51'-10	59'-10 ³ / ₈	55'-0 ³ / ₈	50'-6 ¹ / ₄	45'-10	E
E1	93'-2 ³ / ₈	86'-4	79'-11 ³ / ₈	73'-3 ³ / ₈	84'-8 ³ / ₈	77'-10 ¹ / ₄	71'-5 ³ / ₈	64'-9 ³ / ₄	E1
FL	17'-9 ¹ / ₄	14'-11 ³ / ₈	12'-1 ³ / ₈	9'-3 ¹ / ₂	17'-9 ¹ / ₄	14'-11 ³ / ₈	12'-1 ³ / ₈	9'-3 ¹ / ₂	FL
FS	10'-9 ³ / ₈	9'-1 ¹ / ₄	7'-4 ³ / ₈	5'-8 ¹ / ₂	10'-9 ³ / ₈	9'-1 ¹ / ₄	7'-4 ³ / ₈	5'-8 ¹ / ₂	FS
F1	37'-5 ³ / ₈	31'-5 ³ / ₈	25'-5 ³ / ₈	19'-5 ³ / ₈	37'-5 ³ / ₈	31'-5 ³ / ₈	25'-5 ³ / ₈	19'-5 ³ / ₈	F1
F2	2'-11 ¹ / ₄	2'-6 ¹ / ₂	2'-1 ³ / ₈	1'-8 ³ / ₈	2'-11 ¹ / ₄	2'-6 ¹ / ₂	2'-1 ³ / ₈	1'-8 ³ / ₈	F2
G	37'-4	37'-0	37'-0	36'-10	31'-4	31'-0	31'-0	30'-10	G
G1	52'-9 ¹ / ₂	52'-3 ³ / ₈	52'-3 ³ / ₈	52'-1 ¹ / ₈	44'-3 ³ / ₈	43'-10 ¹ / ₈	43'-10 ¹ / ₈	43'-7 ¹ / ₄	G1
G2	53'-11 ¹ / ₈	53'-6 ³ / ₈	53'-5 ³ / ₈	53'-2 ³ / ₈	45'-6	45'-0 ¹ / ₄	45'-0 ¹ / ₄	44'-9 ¹ / ₈	G2
G3	39'-5 ³ / ₈	33'-1 ¹ / ₂	26'-9 ³ / ₈	20'-5 ³ / ₈	39'-5 ³ / ₈	33'-1 ¹ / ₂	26'-9 ³ / ₈	20'-5 ³ / ₈	G3
G4	39'-9 ¹ / ₂	32'-8 ¹ / ₂	26'-4 ³ / ₄	19'-8 ³ / ₈	39'-9 ¹ / ₂	32'-8 ¹ / ₂	26'-4 ³ / ₄	19'-8 ³ / ₈	G4
G5	12'-8 ³ / ₈	10'-7 ³ / ₄	8'-7 ¹ / ₄	6'-6 ³ / ₄	12'-8 ³ / ₈	10'-7 ³ / ₄	8'-7 ¹ / ₄	6'-6 ³ / ₄	G5
G6	14'-2 ³ / ₈	11'-10 ³ / ₈	9'-10 ³ / ₈	7'-8 ¹ / ₂	14'-2 ³ / ₈	11'-10 ³ / ₈	9'-10 ³ / ₈	7'-8 ¹ / ₂	G6
G7	0'-1 ³ / ₈	0'-10 ¹ / ₂	0'-10 ¹ / ₂	1'-2 ³ / ₄	0'-1 ³ / ₈	0'-10 ¹ / ₂	0'-10 ¹ / ₂	1'-2 ³ / ₄	G7
G8	0'-6 ³ / ₈	0'-8 ¹ / ₄	0'-8 ¹ / ₄	0'-9 ¹ / ₄	0'-6 ³ / ₈	0'-8 ¹ / ₄	0'-8 ¹ / ₄	0'-9 ¹ / ₄	G8
K	38'-0	37'-8	37'-8	37'-6	32'-0	31'-8	31'-8	31'-6	K
K1	53'-8 ³ / ₈	53'-3 ¹ / ₄	53'-3 ¹ / ₄	53'-0 ³ / ₈	45'-3	44'-9 ³ / ₈	44'-9 ³ / ₈	44'-6 ¹ / ₄	K1
PL	71'-11	60'-3	48'-7 ³ / ₈	36'-11 ³ / ₈	71'-11	60'-3	48'-7 ³ / ₈	36'-11 ³ / ₈	PL
PS	43'-1 ³ / ₄	36'-1 ³ / ₈	29'-1 ³ / ₈	22'-1 ³ / ₈	43'-1 ³ / ₄	36'-1 ³ / ₈	29'-1 ³ / ₈	22'-1 ³ / ₈	PS
RL	72'-11 ³ / ₈	61'-1 ³ / ₈	49'-3 ³ / ₈	37'-5 ³ / ₈	72'-11 ³ / ₈	61'-1 ³ / ₈	49'-3 ³ / ₈	37'-5 ³ / ₈	RL
RS	44'-10 ¹ / ₂	37'-7 ¹ / ₄	30'-3 ³ / ₈	23'-0 ¹ / ₂	44'-10 ¹ / ₂	37'-7 ¹ / ₄	30'-3 ³ / ₈	23'-0 ¹ / ₂	RS
RI	35'-7 ¹ / ₂	29'-9 ³ / ₈	23'-9 ³ / ₈	17'-10 ¹ / ₂	35'-7 ¹ / ₂	29'-9 ³ / ₈	23'-9 ³ / ₈	17'-10 ¹ / ₂	RI
SI	16'-11 ³ / ₈	16'-11 ³ / ₈	16'-11 ³ / ₈	16'-11 ³ / ₈	14'-1 ¹ / ₂	14'-1 ¹ / ₂	14'-1 ¹ / ₂	14'-1 ¹ / ₂	SI
T	1'-2	1'-2	1'-2	1'-2	1'-1	1'-1	1'-1	1'-1	T
U	1'-0	0'-10	0'-10	0'-9	1'-0	0'-10	0'-10	0'-9	U
V	1'-0	0'-10	0'-10	0'-9	1'-0	0'-10	0'-10	0'-9	V
VI	1'-5	1'-2 ³ / ₈	1'-2 ³ / ₈	1'-0 ³ / ₄	1'-5	1'-2 ³ / ₈	1'-2 ³ / ₈	1'-0 ³ / ₄	VI
W	5'-0	4'-6	4'-0	3'-6	5'-0	4'-6	4'-0	3'-6	W

HEADWALL NOTES:

1. SEE SHEET TRRCB-G1-01 FOR GENERAL INFORMATION, SPECIFICATIONS, AND DESIGN STRESSES.
2. SEE SHEETS TRH 45-2-01 THRU TRH 45-5-01 FOR LOCATION OF CERTAIN DIMENSIONS TABULATED.
3. SEE SHEET TRH 45-6-01 FOR HEADWALL NOTES.

LATEST REVISION DATE :
10-09

APPROVED BY :
Norman E. McQuinn

STANDARD DESIGN
FLARED WING HEADWALLS
FOR
TRIPLE REINFORCED CONCRETE BOX CULVERTS

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION
SEPT., 2001

TRH 45-1-01