

DIMENSIONS								REINFORCING STEEL																									
SPAN (FT.)	HGHT (FT.)	T1 TOP SLAB	T2 BOTTOM SLAB	T3 EXTERIOR WALL (IN.)	T4 INTERIOR WALL (IN.)	A	B	C	D	E	F	BH1		BH2		BH3		BH4				BV1		BV2									
												SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	
3	3	8 1/4	8 1/4	8	8	9	9'-0"	9	9'-0"	1	1'-0"	4	12	11'-2"	4	12	11'-4"	4	12	2'-1 1/4	3'-11"	4	12	2'-1 1/4	2'-8 1/4	4'-6"	4	12	4'-0"	4	12	4'-0"	
3	4	8 1/4	8 1/4	8	8	9	9'-0"	9	9'-0"	2	2'-0"	4	12	11'-2"	4	12	11'-4"	4	12	2'-1 1/4	3'-11"	4	12	2'-1 1/4	3'-2 1/4	5'-0"	4	12	5'-0"	4	12	5'-0"	
4	3	10 1/2	10 1/2	8	8	12	12'-0"	12	12'-0"	1	1'-0"	4	12	13'-9"	4	12	14'-4"	--	--	--	--	--	4	12	2'-3 3/8	2'-10 1/2	4'-11"	4	12	4'-5"	4	12	4'-5"
4	4	10 1/2	10 1/2	8	8	12	12'-0"	12	12'-0"	2	2'-0"	4	12	13'-9"	4	12	14'-4"	--	--	--	--	--	4	12	2'-3 3/8	3'-4 1/2	5'-5"	4	12	5'-5"	4	12	5'-5"
4	5	10 3/4	10 3/4	8	8	12	12'-0"	12	12'-0"	3	3'-0"	4	12	13'-9"	4	12	14'-4"	--	--	--	--	--	4	12	2'-3 3/8	3'-10 3/4	5'-11"	4	12	6'-5"	4	12	6'-5"
4	6	10 3/4	10 3/4	8	8	12	12'-0"	12	12'-0"	4	4'-0"	4	12	13'-9"	4	12	14'-4"	4	12	2'-3 3/8	4'-4"	4	12	2'-3 3/8	4'-4 3/4	6'-5"	4	11	7'-5"	4	12	7'-5"	
5	3	12 1/2	12 1/2	8	8	15	15'-0"	15	15'-0"	1	1'-0"	4	10	16'-4"	4	10	17'-4"	--	--	--	--	--	4	10	2'-6"	3'-1 1/2	5'-3"	4	12	4'-9"	4	12	4'-9"
5	4	12 1/2	12 1/2	8	8	15	15'-0"	15	15'-0"	2	2'-0"	4	10	16'-4"	4	10	17'-4"	--	--	--	--	--	4	10	2'-6"	3'-6 1/2	5'-9"	4	12	5'-9"	4	12	5'-9"
5	5	12 1/2	12 1/2	8	8	15	15'-0"	15	15'-0"	3	3'-0"	4	10	16'-4"	4	10	17'-4"	--	--	--	--	--	4	10	2'-6"	4'-1 1/2	6'-3"	4	12	6'-9"	4	12	6'-9"
5	6	12 1/2	12 1/2	8	8	15	15'-0"	15	15'-0"	4	4'-0"	4	10	16'-4"	4	10	17'-4"	--	--	--	--	--	4	10	2'-6"	4'-6 1/2	6'-9"	4	12	7'-9"	4	12	7'-9"
5	7	12 1/2	12 1/2	8	8	15	15'-0"	15	15'-0"	5	5'-0"	4	10	16'-4"	4	10	17'-4"	--	--	--	--	--	5	10	2'-6"	5'-1 1/2	7'-3"	4	7 1/2	8'-9"	4	12	8'-9"
6	4	14 3/4	14 3/4	8	8	18	18'-0"	18	18'-0"	2	2'-0"	4	9	18'-11"	5	9	20'-4"	--	--	--	--	--	4	9	2'-8 3/8	3'-8 3/4	6'-2"	4	12	6'-1"	4	12	6'-1"
6	5	14 3/4	14 3/4	8	8	18	18'-0"	18	18'-0"	3	3'-0"	4	9	18'-11"	5	9	20'-4"	--	--	--	--	--	4	9	2'-8 3/8	4'-2 3/4	6'-8"	4	12	7'-1"	4	12	7'-1"
6	6	14 3/4	14 3/4	8	8	18	18'-0"	18	18'-0"	4	4'-0"	4	9	18'-11"	5	9	20'-4"	--	--	--	--	--	4	9	2'-8 3/8	4'-8 3/4	7'-2"	4	12	8'-1"	4	12	8'-1"
6	7	14 3/4	14 3/4	8	8	18	18'-0"	18	18'-0"	5	5'-0"	4	9	18'-11"	5	9	20'-4"	3	9	2'-8 3/8	5'-2"	4	9	2'-8 3/8	5'-2 3/4	7'-8"	4	7 1/2	9'-1"	4	12	9'-1"	
6	8	14 3/4	14 3/4	8	8	18	18'-0"	18	18'-0"	6	6'-0"	4	9	18'-11"	5	9	20'-4"	--	--	--	--	--	5	9	2'-8 3/8	5'-8 3/4	8'-1"	4	5 1/2	10'-1"	4	12	10'-1"
7	4	17 1/4	17 1/4	8	8	21	21'-0"	21	21'-0"	2	2'-0"	4	9	21'-6"	5	9	23'-4"	--	--	--	--	--	4	9	2'-10 3/4	3'-11 1/4	6'-7"	4	12	6'-6"	4	10 1/2	6'-6"
7	6	17 1/4	17 1/4	8	8	21	21'-0"	21	21'-0"	4	4'-0"	5	9	21'-6"	5	9	23'-4"	--	--	--	--	--	4	9	2'-10 3/4	4'-11 1/4	7'-7"	4	11 1/2	8'-6"	4	11	8'-6"
7	8	17 1/4	17 1/4	8	8	21	21'-0"	21	21'-0"	6	6'-0"	5	9	21'-6"	5	9	23'-4"	4	9	2'-10 3/4	5'-6"	4	9	2'-10 3/4	5'-11 1/4	8'-7"	4	5 1/2	10'-6"	4	11	10'-6"	
7	10	17 1/4	17 1/4	9	8	21	21'-0"	21	21'-0"	8	8'-0"	5	9	21'-6"	5	9	23'-6"	3	9	2'-11 3/4	5'-9"	5	9	2'-11 3/4	6'-11 1/4	9'-7"	4	4	12'-6"	4	11	12'-6"	
8	4	19 1/4	19 1/4	8	8	24	24'-0"	24	24'-0"	2	2'-0"	5	8	24'-2"	5	8	26'-4"	--	--	--	--	--	4	8	3'-1 1/4	4'-1 1/4	6'-11"	4	12	6'-10"	4	10	6'-10"
8	6	19 1/4	19 1/4	8	8	24	24'-0"	24	24'-0"	4	4'-0"	4	8	24'-2"	5	8	26'-4"	--	--	--	--	--	4	8	3'-1 1/4	5'-1 1/4	7'-11"	4	11	8'-10"	4	10	8'-10"
8	8	19	19	8	8	24	24'-0"	24	24'-0"	6	6'-0"	4	8	24'-2"	5	8	26'-4"	3	8	3'-1 1/4	6'-0"	4	8	3'-1 1/4	6'-1"	8'-11"	4	5 1/2	10'-10"	4	10	10'-10"	
8	10	19 1/4	19 1/4	9	8	24	24'-0"	24	24'-0"	8	8'-0"	5	8	24'-2"	5	8	26'-6"	3	8	3'-2 1/4	6'-2"	5	8	3'-2 1/4	7'-1 1/4	10'-0"	4	4	12'-10"	4	10	12'-10"	
9	4	21 1/4	21 1/4	8	8	27	27'-0"	27	27'-0"	2	2'-0"	6	9	26'-9"	6	9	29'-4"	--	--	--	--	--	4	9	3'-3 3/8	4'-3 1/4	7'-4"	4	12	7'-3"	4	10	7'-3"
9	6	21 1/4	21 1/4	8	8	27	27'-0"	27	27'-0"	4	4'-0"	6	9	26'-9"	6	9	29'-4"	--	--	--	--	--	4	9	3'-3 3/8	5'-3 1/4	8'-4"	4	11	9'-3"	4	10	9'-3"
9	8	21 1/4	21 1/4	8	8	27	27'-0"	27	27'-0"	6	6'-0"	6	9	26'-9"	6	9	29'-4"	--	--	--	--	--	5	9	3'-3 3/8	6'-3 1/4	9'-3"	6	11 1/2	11'-3"	4	10	11'-3"
9	10	21 1/4	21 1/4	9	8	27	27'-0"	27	27'-0"	8	8'-0"	6	9	26'-9"	6	9	29'-6"	--	--	--	--	--	6	9	3'-4 3/8	7'-3 1/4	10'-3"	5	6	13'-3"	4	10	13'-3"
9	12	21 1/2	21 1/2	10 1/2	8	27	27'-0"	27	27'-0"	10	10'-0"	6	9	26'-9"	6	9	29'-9"	--	--	--	--	--	7	9	3'-6 1/8	8'-3 1/2	11'-4"	7	10	15'-3"	4	10	15'-3"
10	4	23 1/4	23 1/4	8	8	30	30'-0"	30	30'-0"	2	2'-0"	6	9	29'-4"	6	9	32'-4"	--	--	--	--	--	4	9	3'-6"	4'-5 1/4	7'-8"	4	12	7'-6"	4	10	7'-6"
10	8	23 1/4	23 1/4	8	8	30	30'-0"	30	30'-0"	4	4'-0"	6	9	29'-4"	6	9	32'-4"	--	--	--	--	--	4	9	3'-6"	5'-5 1/4	8'-8"	4	10 1/2	9'-6"	4	10	9'-6"
10	8	23 1/4	23 1/4	8	8	30	30'-0"	30	30'-0"	6	6'-0"	6	9	29'-4"	6	9	32'-4"	3	9	3'-6"	6'-10"	4	9	3'-6"	6'-5 1/4	9'-8"	6	11 1/2	11'-6"	4	10	11'-6"	
10	10	23 1/4	23 1/4	9	8	30	30'-0"	30	30'-0"	8	8'-0"	6	9	29'-4"	6	9	32'-6"	3	9	3'-7"	7'-0"	5	9	3'-7"	7'-5 1/4	10'-8"	5	6	13'-6"	4	10	13'-6"	
10	12	23 1/2	23 1/2	10 1/2	8	30	30'-0"	30	30'-0"	10	10'-0"	6	9	29'-4"	6	9	32'-9"	3	9	3'-8 1/2	7'-3"	6	9	3'-8 1/2	8'-5 1/2	11'-9"	5	5	15'-7"	4	10	15'-7"	
12	6	27 1/2	27 1/2	8	8	36	36'-0"	36	36'-0"	4	4'-0"	7	8	34'-6"	6	8	38'-4"	--	--	--	--	--	4	8	3'-10 3/4	5'-9 1/2	9'-5"	4	9	10'-3"	4	8 1/2	10'-3"
12	8	27 1/2	27 1/2	8	8	36	36'-0"	36	36'-0"	6	6'-0"	7	8	34'-6"	6	8	38'-4"	3	8	3'-10 3/4	7'-7"	4	8	3'-10 3/4	6'-9 1/2	10'-5"	5	7 1/2	12'-3"	4	8 1/2	12'-3"	
12	10	27 1/2	27 1/2	9 1/4	8	36	36'-0"	36	36'-0"	8	8'-0"	6	8	34'-6"	6	8	38'-6"	3	8	4'-0"	7'-10"	5	8	4'-0"	7'-9 1/2	11'-6"	5	6	14'-3"	4	8 1/2	14'-3"	
12	12	27 1/2	27 1/2	10 1/2	8	36	36'-0"	36	36'-0"	10	10'-0"	6	8	34'-6"	6	8	38'-9"	3	8	4'-1 1/4	8'-0"	6	8	4'-1 1/4	8'-9 1/2	12'-6"	6	7	16'-3"	4	8	16'-3"	

FOR TYPICAL SECTION, NOTES AND OTHER DETAILS, REFER TO STANDARD BCT-DT.

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2
1004.22

REVISION DATE
10/09

TRIPLE BOX CULVERTS

40 TO 45 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION
REFERENCE