

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									
(FT.)	(FT.)											SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	a	b	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH				
3	3	9"	9"	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"	2'-9"	4'-7"	4	12"	4'-2"	4	12"	4'-2"
3	4	9"	9"	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'-3"	5'-1"	4	12"	5'-2"	4	12"	5'-2"
4	3	11 1/4"	11"	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'-11"	4'-11"	4	12"	4'-6"	4	12"	4'-6"
4	4	11 1/4"	11 1/4"	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'-5 1/4"	5'-6"	4	12"	5'-6"	4	12"	5'-6"
4	5	11"	11"	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'-11"	5'-11"	4	12"	6'-6"	4	12"	6'-6"
4	6	11 1/4"	11 1/4"	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'-5 1/4"	6'-6"	4	9"	7'-6"	4	12"	7'-6"
5	3	13 1/4"	13 1/4"	8"	8"	15	15'-0"	15	15'-0"	1	1'-0"	4	9"	16'-4"	4	9"	17'-4"	--	--	----	----	4	9"	2'-6"	3'-1 1/4"	5'-4"	4	12"	4'-10"	4	12"	4'-10"
5	4	13 1/4"	13 1/4"	8"	8"	15	15'-0"	15	15'-0"	2	2'-0"	4	9"	16'-4"	4	9"	17'-4"	--	--	----	----	4	9"	2'-6"	3'-7 1/4"	5'-10"	4	12"	5'-10"	4	12"	5'-10"
5	5	13 1/2"	13 1/2"	8"	8"	15	15'-0"	15	15'-0"	3	3'-0"	4	9"	16'-4"	4	9"	17'-4"	--	--	----	----	4	9"	2'-6"	4'-1 1/2"	6'-4"	4	12"	6'-11"	4	12"	6'-11"
5	6	13 1/2"	13 1/2"	8"	8"	15	15'-0"	15	15'-0"	4	4'-0"	4	9"	16'-4"	4	9"	17'-4"	--	--	----	----	4	9"	2'-6"	4'-7 1/2"	6'-10"	4	9 1/2"	7'-11"	4	12"	7'-11"
5	7	13 1/2"	13 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'-4"	5	10 1/2"	8'-11"	4	12"	8'-11"
6	4	16"	16"	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'-10"	6'-3"	4	12"	6'-4"	4	11"	6'-4"
6	5	16"	16"	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'-4"	6'-9"	4	12"	7'-4"	4	11"	7'-4"
6	6	15 1/2"	15 1/2"	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'-9 1/2"	7'-3"	4	10"	8'-3"	4	11 1/2"	8'-3"
6	7	15 1/2"	15 1/2"	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'-3 3/8"	7'-9"	5	10 1/2"	9'-3"	4	11 1/2"	9'-3"
6	8	15 1/2"	15 1/2"	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'-9 1/2"	8'-2"	4	5"	10'-3"	4	11 1/2"	10'-3"
7	4	18"	18"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	5	9"	21'-6"	5	9"	23'-4"	--	--	----	----	4	9"	2'-10 3/4"	4'-0"	6'-8"	4	12"	6'-8"	4	10"	6'-8"
7	6	18"	18"	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"	5'-0"	7'-8"	4	9 1/2"	8'-8"	4	10"	8'-8"
7	8	18"	18"	8"	8"	21	21'-0"	21	21'-0"	6	6'-0"	5	9"	21'-6"	5	9"	23'-4"	--	--	----	----	5	9"	2'-10 3/4"	6'-0"	8'-7"	5	7 1/2"	10'-8"	4	10"	10'-8"
7	10	18"	18"	9 3/4"	8"	21	21'-0"	21	21'-0"	8	8'-0"	5	9"	21'-6"	5	9"	23'-8"	4	9"	3'-1 1/2"	5'-10"	5	9"	3'-1 1/2"	7'-0"	9'-9"	6	9"	12'-8"	4	10"	12'-8"
8	4	20 1/2"	20 1/2"	8"	8"	24	24'-0"	24	24'-0"	2	2'-0"	6	9"	24'-2"	6	9"	26'-4"	--	--	----	----	4	9"	3'-1 1/4"	4'-2 1/2"	7'-1"	4	12"	7'-1"	4	10"	7'-1"
8	6	20 1/2"	20 1/2"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	5	8"	24'-2"	5	8"	26'-4"	--	--	----	----	4	8"	3'-1 1/4"	5'-2 1/2"	8'-1"	4	9"	9'-1"	4	10"	9'-1"
8	8	20 1/2"	20 1/2"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	5	8"	24'-2"	5	8"	26'-4"	3	8"	3'-1 1/4"	6'-0"	4	8"	3'-1 1/4"	6'-2 1/2"	9'-1"	5	7 1/2"	11'-1"	4	10"	11'-1"
8	10	20 1/2"	20 1/2"	9 3/4"	8"	24	24'-0"	24	24'-0"	8	8'-0"	5	8"	24'-2"	5	8"	26'-8"	3	8"	3'-3"	6'-4"	5	8"	3'-3"	7'-2 1/2"	10'-2"	6	9"	13'-1"	4	10"	13'-1"
9	4	22 1/2"	22 1/2"	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'-4 1/2"	7'-5"	4	12"	7'-5"	4	10"	7'-5"
9	6	22 1/2"	22 1/2"	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'-4 1/2"	8'-5"	4	8 1/2"	9'-5"	4	10"	9'-5"
9	8	22 1/2"	22 1/2"	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'-4 1/2"	9'-4"	4	4 1/2"	11'-5"	4	10"	11'-5"
9	10	22 1/2"	22 1/2"	9 3/4"	8"	27	27'-0"	27	27'-0"	8	8'-0"	6	9"	26'-9"	6	9"	29'-8"	--	--	----	----	6	9"	3'-5 3/8"	7'-4 1/2"	10'-5"	4	4"	13'-5"	4	10"	13'-5"
9	12	22 1/2"	22 1/2"	11"	8"	27	27'-0"	27	27'-0"	10	10'-0"	6	9"	26'-9"	6	9"	29'-10"	3	9"	3'-6 3/8"	6'-11"	7	9"	3'-6 3/8"	8'-4 1/2"	11'-6"	6	7"	15'-5"	4	9 1/2"	15'-5"
10	4	25"	25"	8"	8"	30	30'-0"	30	30'-0"	2	2'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	----	----	4	9"	3'-6"	4'-7"	7'-10"	4	12"	7'-10"	4	9"	7'-10"
10	6	25"	25"	8"	8"	30	30'-0"	30	30'-0"	4	4'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	----	----	4	9"	3'-6"	5'-7"	8'-10"	4	8"	9'-10"	4	9"	9'-10"
10	8	25"	25"	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'-7"	9'-10"	4	4 1/2"	11'-10"	4	9"	11'-10"
10	10	25"	25"	9 3/4"	8"	30	30'-0"	30	30'-0"	8	8'-0"	6	9"	29'-4"	6	9"	32'-7"	3	9"	3'-7 3/4"	7'-1"	5	9"	3'-7 3/4"	7'-7"	10'-11"	5	6"	13'-10"	4	9"	13'-10"
10	12	25"	25"	11"	8"	30	30'-0"	30	30'-0"	10	10'-0"	6	9"	29'-4"	6	9"	32'-10"	3	9"	3'-9"	7'-4"	6	9"	3'-9"	8'-7"	11'-11"	7	9 1/2"	15'-10"	4	9"	15'-10"
12	6	29 1/4"	29 1/4"	8"	8"	36	36'-0"	36	36'-0"	4	4'-0"	7	9"	34'-6"	7	9"	38'-4"	--	--	----	----	4	9"	3'-10 3/4"	5'-11 1/4"	9'-7"	4	7 1/2"	10'-6"	5	12"	10'-6"
12	8	29 1/4"	29 1/4"	8"	8"	36	36'-0"	36	36'-0"	6	6'-0"	7	9"	34'-6"	7	9"	38'-4"	3	9"	3'-10 3/4"	7'-7"	4	9"	3'-10 3/4"	6'-11"	10'-7"	6	9 1/2"	12'-6"	5	12"	12'-6"
12	10	29 1/4"	29 1/4"	9 3/4"	8"	36	36'-0"	36	36'-0"	8	8'-0"	7	8"	34'-6"	7	8"	38'-7"	3	8"	4'-1 1/2"	7'-11"	5	8"	4'-1 1/2"	7'-11 1/4"	11'-8"	6	8"	14'-6"	4	7 1/2"	14'-6"
12	12	29 1/4"	29 1/4"	11 1/4"	8"	36	36'-0"	36	36'-0"	10	10'-0"	7	8"	34'-6"	7	8"	38'-10"	3	8"	4'-2"	8'-2"	6	8"	4'-2"	8'-11 1/4"	12'-8"	7	9 1/2"	16'-6"	4	7 1/2"	16'-6"

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

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2      REVISION DATE

1004.24

**TRIPLE BOX CULVERTS**  
45 TO 50 FT. FILLS  
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE