

2016 ROAD & BRIDGE STANDARDS

BCT-05

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

DIMENSIONS							REINFORCING STEEL																												
SPAN	HGHT	T1	T2	T3	T4		BH1			BH2			BH3				BH4				BV1			BV2											
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)	A	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"	8"	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'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	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'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"			
4	3	8"	8"	8"	8"	12	12'-0"	12	12'-0"	1	1'-0"	4	12"	13'-9"	4	12"	14'-4"	--	---	-----	-----	4	12"	2'-3 5/8"	2'-8"	4'-8"	4	12"	4'-0"	4	12"	4'-0"			
4	4	8"	8"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	12"	13'-9"	4	12"	14'-4"	--	---	-----	-----	4	12"	2'-3 5/8"	3'-2"	5'-2"	4	12"	5'-0"	4	12"	5'-0"			
4	5	8"	8"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	12"	13'-9"	4	12"	14'-4"	--	---	-----	-----	4	12"	2'-3 5/8"	3'-8"	5'-8"	4	12"	6'-0"	4	12"	6'-0"			
4	6	8"	8"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	12"	13'-9"	4	12"	14'-4"	--	---	-----	-----	4	12"	2'-3 5/8"	4'-2"	6'-2"	4	12"	7'-0"	4	12"	7'-0"			
5	3	8"	8"	8"	8"	15	15'-0"	15	15'-0"	1	1'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	2'-8"	4'-11"	4	12"	4'-0"	4	12"	4'-0"			
5	4	8"	8"	8"	8"	15	15'-0"	15	15'-0"	2	2'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	3'-2"	5'-5"	4	12"	5'-0"	4	12"	5'-0"			
5	5	8"	8"	8"	8"	15	15'-0"	15	15'-0"	3	3'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	3'-8"	5'-11"	4	12"	6'-0"	4	12"	6'-0"			
5	6	8"	8"	8"	8"	15	15'-0"	15	15'-0"	4	4'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-9"	5'-5"	4	12"	2'-6"	4'-2"	6'-5"	4	12"	7'-0"	4	12"	7'-0"			
5	7	8"	8"	8"	8"	15	15'-0"	15	15'-0"	5	5'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-11"	5'-8"	4	12"	2'-6"	4'-8"	6'-11"	4	12"	8'-0"	4	12"	8'-0"			
6	4	8"	8"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	4	12"	19'-3"	4	12"	20'-4"	--	---	-----	-----	5	12"	2'-8 3/8"	3'-2"	5'-6"	4	12"	5'-0"	4	11"	5'-0"			
6	5	8"	8"	8"	8"	18	18'-0"	18	18'-0"	3	3'-0"	4	12"	19'-3"	4	12"	20'-4"	--	---	-----	-----	5	12"	2'-8 3/8"	3'-8"	6'-0"	4	12"	6'-0"	4	11"	6'-0"			
6	6	8"	8"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	4	12"	19'-3"	4	12"	20'-4"	--	---	-----	-----	5	12"	2'-8 3/8"	4'-2"	6'-6"	4	12"	7'-0"	4	11"	7'-0"			
6	7	8"	8"	8"	8"	18	18'-0"	18	18'-0"	5	5'-0"	4	12"	19'-3"	4	12"	20'-4"	--	---	-----	-----	5	12"	2'-8 3/8"	4'-8"	7'-0"	4	12"	8'-0"	4	11"	8'-0"			
6	8	8"	8"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	4	11"	19'-3"	4	11"	20'-4"	4	11"	3'-2"	6'-2"	4	11"	2'-8 3/8"	5'-2"	7'-7"	4	12"	9'-0"	4	11 1/2"	9'-0"			
7	4	8"	8"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	4	9"	22'-3"	4	9"	23'-4"	4	9"	2'-10 3/4"	5'-6"	4	9"	2'-10 3/4"	3'-2"	5'-10"	4	12"	5'-0"	4	10"	5'-0"			
7	6	8"	8"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	4	9"	22'-3"	4	9"	23'-4"	4	9"	2'-10 3/4"	5'-6"	4	9"	2'-10 3/4"	4'-2"	6'-10"	4	12"	7'-0"	4	10"	7'-0"			
7	8	8"	8"	8"	8"	21	21'-0"	21	21'-0"	6	6'-0"	4	9"	22'-3"	4	9"	23'-4"	4	9"	3'-2"	6'-2"	4	9"	2'-10 3/4"	5'-2"	7'-10"	4	12"	9'-0"	4	10"	9'-0"			
7	10	8"	8"	8"	8"	21	21'-0"	21	21'-0"	8	8'-0"	4	9"	22'-3"	5	9"	23'-4"	4	9"	3'-6"	6'-9"	4	9"	2'-10 3/4"	6'-2"	8'-10"	5	12"	11'-0"	4	10"	11'-0"			
8	4	8"	8"	8"	8"	24	24'-0"	24	24'-0"	2	2'-0"	5	11"	25'-0"	5	11"	26'-4"	--	---	-----	-----	6	11"	3'-7"	3'-6"	6'-8"	4	12"	5'-0"	4	7 1/2"	5'-0"			
8	6	8"	8"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	5	11"	25'-0"	5	11"	26'-4"	4	11"	3'-1 1/4"	5'-11"	5	11"	3'-1 1/4"	4'-2"	6'-11"	4	12"	7'-0"	4	7 1/2"	7'-0"			
8	8	8"	8"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	5	11"	25'-0"	5	11"	26'-4"	4	11"	3'-1 1/4"	5'-11"	5	11"	3'-1 1/4"	5'-2"	7'-11"	4	12"	9'-0"	4	7 1/2"	9'-0"			
8	10	8"	8"	8"	8"	24	24'-0"	24	24'-0"	8	8'-0"	5	11"	25'-0"	5	11"	26'-4"	4	11"	3'-6"	6'-9"	6	11"	3'-7"	6'-6"	9'-8"	4	9"	11'-0"	4	8"	11'-0"			
9	4	9 1/2"	9 1/4"	8"	8"	27	27'-0"	27	27'-0"	2	2'-0"	5	11"	28'-0"	5	11"	29'-4"	4	11"	3'-3 5/8"	6'-4"	6	11"	3'-10"	3'-7"	7'-0"	4	12"	5'-2"	4	7 1/2"	5'-2"			
9	6	9 1/2"	9 1/2"	8"	8"	27	27'-0"	27	27'-0"	4	4'-0"	5	10"	28'-0"	5	10"	29'-4"	4	10"	3'-3 5/8"	6'-4"	5	10"	3'-3 5/8"	4'-3 1/2"	7'-3"	4	12"	7'-3"	4	7 1/2"	7'-3"			
9	8	9 1/2"	9 1/2"	8"	8"	27	27'-0"	27	27'-0"	6	6'-0"	5	10"	28'-0"	5	10"	29'-4"	5	10"	3'-3 5/8"	6'-3"	5	10"	3'-3 5/8"	5'-3 1/2"	8'-3"	4	12"	9'-3"	4	7"	9'-3"			
9	10	9 1/2"	9 1/2"	8"	8"	27	27'-0"	27	27'-0"	8	8'-0"	5	9"	28'-0"	5	9"	29'-4"	5	9"	3'-8"	6'-11"	5	9"	3'-3 5/8"	6'-3 1/2"	9'-3"	5	12"	11'-3"	4	7"	11'-3"			
9	12	9 3/4"	9 3/4"	8"	8"	27	27'-0"	27	27'-0"	10	10'-0"	5	9"	28'-0"	5	9"	29'-4"	5	9"	4'-1"	7'-11"	5	9"	3'-3 5/8"	7'-3 3/4"	10'-3"	5	8"	13'-3"	4	7 1/2"	13'-3"			
10	4	9 1/2"	9 1/2"	8"	8"	30	30'-0"	30	30'-0"	2	2'-0"	5	9"	31'-0"	5	9"	32'-4"	--	---	-----	-----	5	9"	3'-6"	3'-3 1/2"	6'-6"	4	12"	5'-3"	5	10 1/2"	5'-3"			
10	6	9 1/2"	9 1/2"	8"	8"	30	30'-0"	30	30'-0"	4	4'-0"	5	10"	31'-0"	5	10"	32'-4"	4	10"	3'-6"	6'-9"	5	10"	3'-6"	4'-3 1/2"	7'-6"	4	12"	7'-3"	4	6 1/2"	7'-3"			
10	8	9 1/2"	9 1/2"	8"	8"	30	30'-0"	30	30'-0"	6	6'-0"	5	9"	31'-0"	5	9"	32'-4"	4	9"	3'-6"	6'-9"	5	9"	3'-6"	5'-3 1/2"	8'-6"	4	12"	9'-3"	4	7"	9'-3"			
10	10	9 3/4"	9 3/4"	8"	8"	30	30'-0"	30	30'-0"	8	8'-0"	5	9"	31'-0"	5	9"	32'-4"	4	9"	3'-8"	6'-11"	5	9"	3'-6"	6'-3 3/4"	9'-6"	4	9"	11'-3"	4	7 1/2"	11'-3"			
10	12	9 3/4"	9 3/4"	8"	8"	30	30'-0"	30	30'-0"	10	10'-0"	6	12"	31'-0"	6	12"	32'-4"	4	12"	4'-1"	7'-11"	6	12"	4'-0"	7'-8"	11'-3"	5	8"	13'-3"	4	8"	13'-3"			
12	6	10"	10"	8"	8"	36	36'-0"	36	36'-0"	4	4'-0"	5	9"	37'-0"	5	9"	38'-4"	--	---	-----	-----	6	9"	4'-5"	4'-8"	8'-8"	4	12"	7'-4"	5	9"	7'-4"			
12	8	10"	10"	8"	8"	36	36'-0"	36	36'-0"	6	6'-0"	6	12"	37'-0"	6	12"	38'-4"	--	---	-----	-----	7	12"	4'-10"	5'-11"	10'-3"	4	12"	9'-4"	4	6"	9'-4"			
12	10	10"	10"	8"	8"	36	36'-0"	36	36'-0"	8	8'-0"	5	8"	37'-0"	5	8"	38'-4"	4	8"	3'-10 3/4"	7'-6"	5	8"	3'-10 3/4"	6'-4"	9'-11"	4	10"	11'-4"	5	9 1/2"	11'-4"			
12	12	10 1/4"	10 1/4"	8"	8"	36	36'-0"	36	36'-0"	10	10'-0"	6	11"	37'-0"	6	11"	38'-4"	4	11"	4'-1"	7'-11"	6	11"	4'-5"	7'-8"	11'-8"	5	8"	13'-5"	4	6 1/2"	13'-5"			

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2 REVISION DATE
1004.07 07/11

TRIPLE BOX CULVERTS
2 TO 5 FT. FILLS
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE