

2016 ROAD & BRIDGE STANDARDS

BCT-02

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	B	C	D	E	F	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"	18	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"	18	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	12"	5'-0"
4	3	8 1/4"	8 1/4"	8"	8"	12	12'-0"	24	12'-0"	1	1'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-3 5/8"	4'-4"	4	12"	2'-3 5/8"	2'-8 1/4"	4'-9"	4	12"	4'-0"	4	12"	4'-0"	4	12"	4'-0"
4	4	8 1/4"	8 1/4"	8"	8"	12	12'-0"	24	12'-0"	2	2'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-3 5/8"	4'-4"	4	12"	2'-3 5/8"	3'-2 1/4"	5'-3"	4	12"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	5	8 1/4"	8 1/4"	8"	8"	12	12'-0"	24	12'-0"	3	3'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-6"	4'-9"	4	12"	2'-3 5/8"	3'-8 1/4"	5'-9"	4	12"	6'-0"	4	12"	6'-0"	4	12"	6'-0"
4	6	8 1/4"	8 1/4"	8"	8"	12	12'-0"	24	12'-0"	4	4'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-9"	5'-5"	4	12"	2'-3 5/8"	4'-2 1/4"	6'-3"	4	12"	7'-0"	4	12"	7'-0"	4	12"	7'-0"
5	3	8 1/4"	8 1/4"	8"	8"	15	15'-0"	30	15'-0"	1	1'-0"	4	11"	16'-4"	5	11"	17'-4"	4	11"	2'-6"	4'-9"	4	11"	2'-6"	2'-8 1/4"	4'-11"	4	12"	4'-0"	4	12"	4'-0"	4	12"	4'-0"
5	4	8 1/4"	8 1/4"	8"	8"	15	15'-0"	30	15'-0"	2	2'-0"	4	10"	16'-4"	4	10"	17'-4"	4	10"	2'-6"	4'-9"	4	10"	2'-6"	3'-2 1/4"	5'-5"	4	12"	5'-0"	4	10"	5'-0"	4	10"	5'-0"
5	5	8 1/4"	8 1/4"	8"	8"	15	15'-0"	30	15'-0"	3	3'-0"	4	10"	16'-4"	4	10"	17'-4"	4	10"	2'-6"	4'-9"	4	10"	2'-6"	3'-8 1/4"	5'-11"	4	12"	6'-0"	4	10"	6'-0"	4	10"	6'-0"
5	6	8 1/4"	8 1/4"	8"	8"	15	15'-0"	30	15'-0"	4	4'-0"	4	10"	16'-4"	4	10"	17'-4"	4	10"	2'-9"	5'-5"	4	10"	2'-6"	4'-2 1/4"	6'-5"	4	12"	7'-0"	4	10"	7'-0"	4	10"	7'-0"
5	7	8 1/4"	8 1/4"	8"	8"	15	15'-0"	30	15'-0"	5	5'-0"	4	9"	16'-4"	4	9"	17'-4"	4	9"	2'-11"	5'-8"	4	9"	2'-6"	4'-8 1/4"	6'-11"	4	12"	8'-0"	4	10"	8'-0"	4	10"	8'-0"
6	4	9 3/4"	9 3/4"	8"	8"	18	18'-0"	36	18'-0"	2	2'-0"	4	11"	19'-3"	4	11"	20'-4"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	3'-3 3/4"	5'-9"	4	12"	5'-3"	4	10"	5'-3"	4	10"	5'-3"
6	5	9 3/4"	9 3/4"	8"	8"	18	18'-0"	36	18'-0"	3	3'-0"	4	10"	19'-3"	4	10"	20'-4"	4	10"	2'-8 3/8"	5'-2"	4	10"	2'-8 3/8"	3'-9 3/4"	6'-3"	4	12"	6'-3"	4	10"	6'-3"	4	10"	6'-3"
6	6	9 3/4"	9 3/4"	8"	8"	18	18'-0"	36	18'-0"	4	4'-0"	4	10"	19'-3"	4	10"	20'-4"	4	10"	2'-11"	5'-8"	4	10"	2'-8 3/8"	4'-3 3/4"	6'-9"	4	12"	7'-3"	4	10"	7'-3"	4	10"	7'-3"
6	7	9 3/4"	9 3/4"	8"	8"	18	18'-0"	36	18'-0"	5	5'-0"	4	9"	19'-3"	4	9"	20'-4"	4	9"	3'-1"	5'-11"	4	9"	2'-8 3/8"	4'-9 3/4"	7'-3"	4	12"	8'-3"	4	10"	8'-3"	4	10"	8'-3"
6	8	9 3/4"	9 3/4"	8"	8"	18	18'-0"	36	18'-0"	6	6'-0"	4	9"	19'-3"	4	9"	20'-4"	4	9"	3'-4"	6'-5"	4	9"	2'-8 3/8"	5'-3 3/4"	7'-9"	4	12"	9'-3"	4	10"	9'-3"	4	10"	9'-3"
7	4	9 1/2"	9 1/2"	8"	8"	21	21'-0"	42	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'-3 1/2"	5'-11"	4	12"	5'-3"	4	9 1/2"	5'-3"	4	9 1/2"	5'-3"
7	6	9 1/2"	9 1/2"	8"	8"	21	21'-0"	42	21'-0"	4	4'-0"	4	9"	22'-3"	5	9"	23'-4"	4	9"	2'-10 3/4"	5'-6"	4	9"	2'-10 3/4"	4'-3 1/2"	6'-11"	4	12"	7'-3"	4	8 1/2"	7'-3"	4	8 1/2"	7'-3"
7	8	9 3/4"	9 3/4"	8"	8"	21	21'-0"	42	21'-0"	6	6'-0"	4	8"	22'-3"	4	8"	23'-4"	4	8"	3'-4"	6'-5"	4	8"	2'-10 3/4"	5'-3 3/4"	7'-11"	4	12"	9'-3"	4	9"	9'-3"	4	9"	9'-3"
7	10	9 3/4"	9 3/4"	8"	8"	21	21'-0"	42	21'-0"	8	8'-0"	4	8"	22'-3"	4	8"	23'-4"	4	8"	3'-8"	6'-11"	4	8"	2'-10 3/4"	6'-3 3/4"	8'-11"	4	12"	11'-3"	4	9"	11'-3"	4	9"	11'-3"
8	4	9"	9"	8"	8"	24	24'-0"	48	24'-0"	2	2'-0"	4	8"	25'-0"	4	8"	26'-4"	4	8"	3'-1 1/4"	5'-11"	4	8"	3'-1 1/4"	3'-3"	6'-1"	4	12"	5'-2"	4	7 1/2"	5'-2"	4	7 1/2"	5'-2"
8	6	9"	9"	8"	8"	24	24'-0"	48	24'-0"	4	4'-0"	5	12"	25'-0"	5	12"	26'-4"	5	12"	3'-1 1/4"	5'-11"	5	12"	3'-1 1/4"	4'-3"	7'-0"	4	12"	7'-2"	4	7"	7'-2"	4	7"	7'-2"
8	8	9 1/4"	9 1/4"	8"	8"	24	24'-0"	48	24'-0"	6	6'-0"	5	11"	25'-0"	5	11"	26'-4"	5	11"	3'-4"	6'-5"	5	11"	3'-1 1/4"	5'-3 1/4"	8'-1"	4	12"	9'-2"	4	7"	9'-2"	4	7"	9'-2"
8	10	9 3/4"	9 3/4"	8"	8"	24	24'-0"	48	24'-0"	8	8'-0"	5	10"	25'-0"	5	10"	26'-4"	5	10"	3'-8"	6'-11"	5	10"	3'-1 1/4"	6'-3 3/4"	9'-1"	4	12"	11'-3"	4	7 1/2"	11'-3"	4	7 1/2"	11'-3"
9	4	9 1/4"	9 1/4"	8"	8"	27	27'-0"	54	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	6 1/2"	5'-2"	4	6 1/2"	5'-2"
9	6	9 1/2"	9 1/2"	8"	8"	27	27'-0"	54	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	6 1/2"	7'-3"	4	6 1/2"	7'-3"
9	8	9 1/2"	9 1/2"	8"	8"	27	27'-0"	54	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	6 1/2"	9'-3"	4	6 1/2"	9'-3"
9	10	9 1/2"	9 1/2"	8"	8"	27	27'-0"	54	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"	4	12"	11'-3"	4	6 1/2"	11'-3"	4	6 1/2"	11'-3"
9	12	9 3/4"	9 3/4"	8"	8"	27	27'-0"	54	27'-0"	10	10'-0"	6	12"	28'-0"	6	12"	29'-4"	6	12"	4'-1"	7'-11"	6	12"	3'-10"	7'-7"	11'-1"	5	11 1/2"	13'-3"	4	6 1/2"	13'-3"	4	6 1/2"	13'-3"
10	4	9 1/2"	9 1/2"	8"	8"	30	30'-0"	60	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	9 1/2"	5'-3"	4	9 1/2"	5'-3"
10	6	9 1/2"	9 1/2"	8"	8"	30	30'-0"	60	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"	5	9 1/2"	7'-3"	4	9 1/2"	7'-3"
10	8	9 1/2"	9 1/2"	8"	8"	30	30'-0"	60	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"	5	9 1/2"	9'-3"	4	9 1/2"	9'-3"
10	10	9 3/4"	9 3/4"	8"	8"	30	30'-0"	60	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	12"	11'-3"	4	6 1/2"	11'-3"	4	6 1/2"	11'-3"
10	12	9 3/4"	9 3/4"	8"	8"	30	30'-0"	60	30'-0"	10	10'-0"	6	12"	31'-0"	6	12"	32'-4"	4	12"	4'-1"	7'-11"	6	12"	4'-0"	7'-7"	11'-3"	5	11 1/2"	13'-3"	4	7"	13'-3"	4	7"	13'-3"
12	6	10"	10"	8"	8"	36	36'-0"	72	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	8"	7'-4"	4	8"	7'-4"
12	8	10"	10"	8"	8"	36	36'-0"	72	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"	5	8"	9'-4"	4	8"	9'-4"
12	10	10"	10"	8"	8"	36	36'-0"	72	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	12"	11'-4"	4	5 1/2"	11'-4"	4	5 1/2"	11'-4"
12	12	10 1/4"	10 1/4"	8"	8"	36	36'-0"	72	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	11 1/2"	13'-5"	4	6"	13'-5"	4	6"	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
1004.05 07/11

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

SPECIFICATION REFERENCE