


2016 ROAD & BRIDGE STANDARDS

BCT-50

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

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	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	LENGTH
3	3	9"	9"	8"	8"	9	9'-0"	9	9'-0"	1	1'-0"	4	12"	10'-3"	4	12"	11'-4"	--	--	----	----	4	12"	2'-4"	2'-9"	4'-10"	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"	10'-3"	4	12"	11'-4"	--	--	----	----	4	12"	2'-4"	3'-3"	5'-4"	4	12"	5'-2"	4	12"	5'-2"
4	3	11"	11"	8"	8"	12	12'-0"	12	12'-0"	1	1'-0"	4	12"	13'-3"	4	12"	14'-4"	--	--	----	----	4	12"	2'-4"	2'-11"	5'-0"	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'-3"	4	12"	14'-4"	--	--	----	----	4	12"	2'-4"	3'-6"	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'-3"	4	12"	14'-4"	--	--	----	----	4	12"	2'-4"	3'-11"	6'-0"	5	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'-3"	4	12"	14'-4"	4	12"	3'-0"	5'-9"	4	12"	2'-4"	4'-6"	6'-6"	5	9"	7'-6"	4	12"	7'-6"
5	3	13 1/2"	13 1/2"	8"	8"	15	15'-0"	15	15'-0"	1	1'-0"	4	9"	16'-4"	4	9"	17'-3"	--	--	----	----	4	9"	2'-4"	3'-2"	5'-2"	4	12"	4'-11"	4	12"	4'-11"
5	4	13 1/2"	13 1/2"	8"	8"	15	15'-0"	15	15'-0"	2	2'-0"	4	9"	16'-4"	4	9"	17'-3"	--	--	----	----	4	9"	2'-4"	3'-8"	5'-8"	4	12"	5'-11"	4	12"	5'-11"
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'-3"	--	--	----	----	4	9"	2'-4"	4'-2"	6'-2"	5	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'-3"	--	--	----	----	4	9"	2'-4"	4'-8"	6'-8"	5	9 1/2"	7'-11"	4	12"	7'-11"
5	7	13 1/2"	13 1/2"	8 1/2"	8"	15	15'-0"	15	15'-0"	5	5'-0"	4	10"	16'-1"	4	10"	17'-5"	--	--	----	----	5	10"	2'-6"	5'-4"	7'-5"	6	10 1/2"	8'-11"	4	12"	8'-11"
6	4	16 1/2"	16 1/2"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	4	9"	19'-4"	5	9"	20'-3"	--	--	----	----	4	9"	2'-4"	3'-11"	5'-11"	4	12"	6'-5"	4	11"	6'-5"
6	5	16"	16"	8"	8"	18	18'-0"	18	18'-0"	3	3'-0"	4	9"	19'-4"	5	9"	20'-3"	--	--	----	----	4	9"	2'-4"	4'-4"	6'-5"	5	12"	7'-4"	4	11"	7'-4"
6	6	16"	16"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	4	9"	19'-4"	5	9"	20'-3"	--	--	----	----	4	9"	2'-4"	4'-10"	6'-11"	5	10"	8'-3"	4	11 1/2"	8'-3"
6	7	16"	16"	8"	8"	18	18'-0"	18	18'-0"	5	5'-0"	4	9"	19'-4"	5	9"	20'-3"	3	9"	3'-7"	7'-0"	4	9"	2'-4"	5'-4"	7'-5"	6	10 1/2"	9'-3"	4	11 1/2"	9'-3"
6	8	16"	16"	9 1/2"	8"	18	18'-0"	18	18'-0"	6	6'-0"	4	9"	19'-3"	5	9"	20'-6"	--	--	----	----	5	9"	2'-6"	6'-0"	8'-2"	5	5"	10'-3"	4	11 1/2"	10'-3"
7	4	18 1/2"	18 1/2"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	5	9"	22'-4"	5	9"	23'-3"	--	--	----	----	4	9"	2'-9"	4'-1"	6'-6"	4	12"	6'-9"	4	10"	6'-9"
7	6	18 1/2"	18 1/2"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	5	9"	22'-4"	5	9"	23'-3"	--	--	----	----	4	9"	2'-9"	5'-1"	7'-6"	5	9 1/2"	8'-9"	4	10"	8'-9"
7	8	18"	18"	9 1/2"	8"	21	21'-0"	21	21'-0"	6	6'-0"	5	9"	22'-3"	5	9"	23'-6"	--	--	----	----	5	9"	2'-11"	6'-2"	8'-9"	5	7 1/2"	10'-7"	4	10"	10'-7"
7	10	18"	18"	11 1/2"	8"	21	21'-0"	21	21'-0"	8	8'-0"	5	9"	22'-7"	5	9"	23'-11"	4	9"	4'-4"	8'-5"	5	9"	2'-11"	7'-2"	9'-9"	7	9"	12'-7"	4	10"	12'-7"
8	4	21"	21"	8"	8"	24	24'-0"	24	24'-0"	2	2'-0"	6	9"	25'-4"	6	9"	26'-3"	--	--	----	----	4	9"	3'-2"	4'-3"	7'-2"	4	12"	7'-2"	4	10"	7'-2"
8	6	21"	21"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	5	8"	25'-4"	5	8"	26'-3"	--	--	----	----	4	8"	2'-9"	5'-3"	7'-9"	5	9"	9'-1"	4	10"	9'-1"
8	8	20 1/2"	20 1/2"	8 1/2"	8"	24	24'-0"	24	24'-0"	6	6'-0"	5	8"	25'-5"	5	8"	26'-5"	3	8"	4'-2"	8'-2"	4	8"	2'-9"	6'-3"	8'-8"	6	7 1/2"	11'-0"	4	10"	11'-0"
8	10	20 1/2"	20 1/2"	11 1/2"	8"	24	24'-0"	24	24'-0"	8	8'-0"	5	8"	25'-7"	5	8"	26'-11"	3	8"	4'-7"	8'-11"	5	8"	2'-11"	7'-5"	9'-11"	7	9"	13'-0"	4	10"	13'-0"
9	4	23"	23"	8"	8"	27	27'-0"	27	27'-0"	2	2'-0"	6	9"	28'-4"	6	9"	29'-3"	--	--	----	----	4	9"	3'-2"	4'-5"	7'-4"	4	12"	7'-6"	4	10"	7'-6"
9	6	23"	23"	8"	8"	27	27'-0"	27	27'-0"	4	4'-0"	6	9"	28'-4"	6	9"	29'-3"	--	--	----	----	4	9"	3'-2"	5'-5"	8'-4"	5	8 1/2"	9'-6"	4	10"	9'-6"
9	8	23"	23"	8 1/2"	8"	27	27'-0"	27	27'-0"	6	6'-0"	6	9"	28'-1"	6	9"	29'-5"	--	--	----	----	5	9"	3'-4"	6'-8"	9'-7"	5	4 1/2"	11'-6"	4	10"	11'-6"
9	10	23"	23"	11 1/2"	8"	27	27'-0"	27	27'-0"	8	8'-0"	6	9"	28'-4"	6	9"	29'-11"	--	--	----	----	6	9"	3'-5"	7'-9"	10'-9"	5	4"	13'-6"	4	10"	13'-6"
9	12	23"	23"	14"	8"	27	27'-0"	27	27'-0"	10	10'-0"	6	9"	28'-6"	6	9"	30'-3"	3	9"	5'-2"	10'-2"	7	9"	3'-7"	9'-0"	12'-1"	6	7"	15'-6"	4	9 1/2"	15'-6"
10	4	26"	26"	8"	8"	30	30'-0"	30	30'-0"	2	2'-0"	6	9"	31'-3"	6	9"	32'-3"	--	--	----	----	4	9"	3'-2"	4'-8"	7'-7"	4	12"	8'-0"	4	9"	8'-0"
10	6	25 1/2"	25 1/2"	8"	8"	30	30'-0"	30	30'-0"	4	4'-0"	6	9"	31'-3"	6	9"	32'-3"	--	--	----	----	4	9"	3'-2"	5'-8"	8'-6"	5	8"	9'-11"	4	9"	9'-11"
10	8	25 1/2"	25 1/2"	8"	8"	30	30'-0"	30	30'-0"	6	6'-0"	6	9"	31'-3"	6	9"	32'-3"	3	9"	4'-7"	9'-0"	4	9"	3'-2"	6'-8"	9'-6"	5	4 1/2"	11'-11"	4	9"	11'-11"
10	10	25 1/2"	25 1/2"	11"	8"	30	30'-0"	30	30'-0"	8	8'-0"	6	9"	31'-6"	6	9"	32'-9"	3	9"	5'-0"	9'-9"	5	9"	3'-4"	7'-10"	10'-9"	6	6"	13'-11"	4	9"	13'-11"
10	12	25 1/2"	25 1/2"	14"	8"	30	30'-0"	30	30'-0"	10	10'-0"	6	9"	31'-9"	6	9"	33'-3"	3	9"	5'-5"	10'-7"	6	9"	3'-5"	9'-0"	12'-0"	8	9 1/2"	15'-11"	4	9"	15'-11"
12	6	30 1/2"	30 1/2"	8"	8"	36	36'-0"	36	36'-0"	4	4'-0"	7	9"	37'-3"	7	9"	38'-4"	--	--	----	----	4	9"	3'-10"	6'-1"	9'-7"	5	7 1/2"	10'-8"	4	12"	10'-8"
12	8	30 1/2"	30 1/2"	8"	8"	36	36'-0"	36	36'-0"	6	6'-0"	7	9"	37'-3"	7	9"	38'-4"	3	9"	5'-0"	9'-10"	4	9"	3'-10"	7'-1"	10'-7"	7	9 1/2"	12'-8"	4	12"	12'-8"
12	10	30 1/2"	30 1/2"	9 3/4"	8"	36	36'-0"	36	36'-0"	8	8'-0"	7	8"	37'-4"	7	8"	38'-7"	3	8"	5'-5"	10'-7"	5	8"	4'-0"	8'-3"	11'-10"	7	8"	14'-8"	4	7 1/2"	14'-8"
12	12	30 1/2"	30 1/2"	13"	8"	36	36'-0"	36	36'-0"	10	10'-0"	7	8"	37'-7"	7	8"	39'-1"	3	8"	5'-10"	11'-5"	6	8"	4'-1"	9'-5"	13'-1"	8	9 1/2"	16'-9"	4	7 1/2"	16'-9"

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

 ROAD AND BRIDGE STANDARDS	<h2>TRIPLE BOX CULVERTS</h2> <h3>40 TO 50 FT. FILLS</h3> <p>VIRGINIA DEPARTMENT OF TRANSPORTATION</p>		SPECIFICATION REFERENCE
	SHEET 1 OF 2 1004.17	REVISION DATE 07/11	