


2016 ROAD & BRIDGE STANDARDS

BCT-20

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

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

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

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 2	REVISION DATE
1004.11	07/11

TRIPLE BOX CULVERTS  
 10 TO 20 FT. FILLS  
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE