


2016 ROAD & BRIDGE STANDARDS

BCT-30

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

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>20 TO 30 FT. FILLS</h3> <p>VIRGINIA DEPARTMENT OF TRANSPORTATION</p>		SPECIFICATION REFERENCE
SHEET 1 OF 2 1004.13	REVISION DATE 07/11			