


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 O-C	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	a	LENGTH	SIZE	SPACING O-C	a	b	LENGTH	SIZE	SPACING O-C	LENGTH	SIZE	SPACING O-C	LENGTH
3	3	8/4	8/4	8	8	9	9'-0"	9	9'-0"	1	1'-0"	4	12"	11'-2"	4	12"	11'-4"	4	12"	2'-1/4"	3'-11"	4	12"	2'-1/4"	2'-8/4"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8/4	8/4	8	8	9	9'-0"	9	9'-0"	2	2'-0"	4	12"	11'-2"	4	12"	11'-4"	4	12"	2'-1/4"	3'-11"	4	12"	2'-1/4"	3'-2/4"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	10/2	10/2	8	8	12	12'-0"	12	12'-0"	1	1'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	----	----	4	12"	2'-3/8"	2'-10/2"	4'-11"	4	12"	4'-5"	4	12"	4'-5"
4	4	10/2	10/2	8	8	12	12'-0"	12	12'-0"	2	2'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	----	----	4	12"	2'-3/8"	3'-4/2"	5'-5"	4	12"	5'-5"	4	12"	5'-5"
4	5	10/2	10/2	8	8	12	12'-0"	12	12'-0"	3	3'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	----	----	4	12"	2'-3/8"	3'-10/4"	5'-11"	4	12"	6'-5"	4	12"	6'-5"
4	6	10/2	10/2	8	8	12	12'-0"	12	12'-0"	4	4'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-3/8"	4'-4"	4	12"	2'-3/8"	4'-4/4"	6'-5"	4	11"	7'-5"	4	12"	7'-5"
5	3	12/2	12/2	8	8	15	15'-0"	15	15'-0"	1	1'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	----	----	4	10"	2'-6"	3'-1/2"	5'-3"	4	12"	4'-9"	4	12"	4'-9"
5	4	12/2	12/2	8	8	15	15'-0"	15	15'-0"	2	2'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	----	----	4	10"	2'-6"	3'-6/2"	5'-9"	4	12"	5'-9"	4	12"	5'-9"
5	5	12/2	12/2	8	8	15	15'-0"	15	15'-0"	3	3'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	----	----	4	10"	2'-6"	4'-1/2"	6'-3"	4	12"	6'-9"	4	12"	6'-9"
5	6	12/2	12/2	8	8	15	15'-0"	15	15'-0"	4	4'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	----	----	4	10"	2'-6"	4'-6/2"	6'-9"	4	12"	7'-9"	4	12"	7'-9"
5	7	12/2	12/2	8	8	15	15'-0"	15	15'-0"	5	5'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	----	----	5	10"	2'-6"	5'-1/2"	7'-3"	4	7/2"	8'-9"	4	12"	8'-9"
6	4	14/2	14/2	8	8	18	18'-0"	18	18'-0"	2	2'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	----	----	4	9"	2'-8/8"	3'-8/4"	6'-2"	4	12"	6'-1"	4	12"	6'-1"
6	5	14/2	14/2	8	8	18	18'-0"	18	18'-0"	3	3'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	----	----	4	9"	2'-8/8"	4'-2/4"	6'-8"	4	12"	7'-1"	4	12"	7'-1"
6	6	14/2	14/2	8	8	18	18'-0"	18	18'-0"	4	4'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	----	----	4	9"	2'-8/8"	4'-8/4"	7'-2"	4	12"	8'-1"	4	12"	8'-1"
6	7	14/2	14/2	8	8	18	18'-0"	18	18'-0"	5	5'-0"	4	9"	18'-11"	5	9"	20'-4"	3	9"	2'-8/8"	5'-2"	4	9"	2'-8/8"	5'-2/4"	7'-8"	4	7/2"	9'-1"	4	12"	9'-1"
6	8	14/2	14/2	8	8	18	18'-0"	18	18'-0"	6	6'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	----	----	5	9"	2'-8/8"	5'-8/4"	8'-1"	4	5/2"	10'-1"	4	12"	10'-1"
7	4	17/2	17/2	8	8	21	21'-0"	21	21'-0"	2	2'-0"	4	9"	21'-6"	5	9"	23'-4"	--	--	----	----	4	9"	2'-10/4"	3'-11/4"	6'-7"	4	12"	6'-6"	4	10/2"	6'-6"
7	6	17/2	17/2	8	8	21	21'-0"	21	21'-0"	4	4'-0"	5	9"	21'-6"	5	9"	23'-4"	--	--	----	----	4	9"	2'-10/4"	4'-11/4"	7'-7"	4	11/2"	8'-6"	4	11"	8'-6"
7	8	17/2	17/2	8	8	21	21'-0"	21	21'-0"	6	6'-0"	5	9"	21'-6"	5	9"	23'-4"	4	9"	2'-10/4"	5'-6"	4	9"	2'-10/4"	5'-11/4"	8'-7"	4	5/2"	10'-6"	4	11"	10'-6"
7	10	17/2	17/2	8	8	21	21'-0"	21	21'-0"	8	8'-0"	5	9"	21'-6"	5	9"	23'-4"	3	9"	2'-11/4"	5'-9"	5	9"	2'-11/4"	6'-11/4"	9'-7"	4	4"	12'-6"	4	11"	12'-6"
8	4	19/2	19/2	8	8	24	24'-0"	24	24'-0"	2	2'-0"	5	8"	24'-2"	5	8"	26'-4"	--	--	----	----	4	8"	3'-1/4"	4'-1/4"	6'-11"	4	12"	6'-10"	4	10"	6'-10"
8	6	19/2	19/2	8	8	24	24'-0"	24	24'-0"	4	4'-0"	4	8"	24'-2"	5	8"	26'-4"	--	--	----	----	4	8"	3'-1/4"	5'-1/4"	7'-11"	4	11"	8'-10"	4	10"	8'-10"
8	8	19	19	8	8	24	24'-0"	24	24'-0"	6	6'-0"	4	8"	24'-2"	5	8"	26'-4"	3	8"	3'-1/4"	6'-0"	4	8"	3'-1/4"	6'-1"	8'-11"	4	5/2"	10'-10"	4	10"	10'-10"
8	10	19/2	19/2	8	8	24	24'-0"	24	24'-0"	8	8'-0"	5	8"	24'-2"	5	8"	26'-4"	3	8"	3'-2/4"	6'-2"	5	8"	3'-2/4"	7'-1/4"	10'-0"	4	4"	12'-10"	4	10"	12'-10"
9	4	21/2	21/2	8	8	27	27'-0"	27	27'-0"	2	2'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	----	----	4	9"	3'-3/8"	4'-3/4"	7'-4"	4	12"	7'-3"	4	10"	7'-3"
9	6	21/2	21/2	8	8	27	27'-0"	27	27'-0"	4	4'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	----	----	4	9"	3'-3/8"	5'-3/4"	8'-4"	4	11"	9'-3"	4	10"	9'-3"
9	8	21/2	21/2	8	8	27	27'-0"	27	27'-0"	6	6'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	----	----	5	9"	3'-3/8"	6'-3/4"	9'-3"	6	11/2"	11'-3"	4	10"	11'-3"
9	10	21/2	21/2	8	8	27	27'-0"	27	27'-0"	8	8'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	----	----	6	9"	3'-4/8"	7'-3/4"	10'-3"	5	6"	13'-3"	4	10"	13'-3"
9	12	21/2	21/2	10/2	8	27	27'-0"	27	27'-0"	10	10'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	----	----	7	9"	3'-6/8"	8'-3/2"	11'-4"	7	10"	15'-3"	4	10"	15'-3"
10	4	23/4	23/4	8	8	30	30'-0"	30	30'-0"	2	2'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	----	----	4	9"	3'-6"	4'-5/4"	7'-8"	4	12"	7'-6"	4	10"	7'-6"
10	8	23/4	23/4	8	8	30	30'-0"	30	30'-0"	4	4'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	----	----	4	9"	3'-6"	5'-5/4"	8'-8"	4	10/2"	9'-6"	4	10"	9'-6"
10	8	23/4	23/4	8	8	30	30'-0"	30	30'-0"	6	6'-0"	6	9"	29'-4"	6	9"	32'-4"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-5/4"	9'-8"	6	11/2"	11'-6"	4	10"	11'-6"
10	10	23/4	23/4	8	8	30	30'-0"	30	30'-0"	8	8'-0"	6	9"	29'-4"	6	9"	32'-4"	3	9"	3'-7"	7'-0"	5	9"	3'-7"	7'-5/4"	10'-8"	5	6"	13'-6"	4	10"	13'-6"
10	12	23/2	23/2	10/2	8	30	30'-0"	30	30'-0"	10	10'-0"	6	9"	29'-4"	6	9"	32'-4"	3	9"	3'-8/2"	7'-3"	6	9"	3'-8/2"	8'-5/2"	11'-9"	5	5"	15'-7"	4	10"	15'-7"
12	6	27/2	27/2	8	8	36	36'-0"	36	36'-0"	4	4'-0"	7	8"	34'-6"	6	8"	38'-4"	--	--	----	----	4	8"	3'-10/4"	5'-9/2"	9'-5"	4	9"	10'-3"	4	8/2"	10'-3"
12	8	27/2	27/2	8	8	36	36'-0"	36	36'-0"	6	6'-0"	7	8"	34'-6"	6	8"	38'-4"	3	8"	3'-10/4"	7'-7"	4	8"	3'-10/4"	6'-9/2"	10'-5"	5	7/2"	12'-3"	4	8/2"	12'-3"
12	10	27/2	27/2	8	8	36	36'-0"	36	36'-0"	8	8'-0"	6	8"	34'-6"	6	8"	38'-4"	3	8"	4'-0"	7'-10"	5	8"	4'-0"	7'-9/2"	11'-6"	5	6"	14'-3"	4	8/2"	14'-3"
12	12	27/2	27/2	10/2	8	36	36'-0"	36	36'-0"	10	10'-0"	6	8"	34'-6"	6	8"	38'-4"	3	8"	4'-1/4"	8'-0"	6	8"	4'-1/4"	8'-9/2"	12'-6"	6	7"	16'-3"	4	8"	16'-3"

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

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 2	REVISION DATE
1004.22	

TRIPLE BOX CULVERTS
40 TO 50 FT. FILLS
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE