


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 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"	8"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	7'-6"	4	12"	7'-8"	4	12"	2'-1 1/4"	3'-11"	4	12"	2'-1 1/4"	2'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	7'-6"	4	12"	7'-8"	3	12"	2'-1 1/4"	4'-0"	4	12"	2'-1 1/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	10"	10"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3 5/8"	2'-10"	4'-10"	4	12"	4'-4"	4	12"	4'-4"
4	4	10"	10"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3 5/8"	3'-4"	5'-4"	4	12"	5'-4"	4	12"	5'-4"
4	5	10"	10"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3 5/8"	3'-10"	5'-10"	4	12"	6'-4"	4	12"	6'-4"
4	6	10"	10"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	3	12"	2'-3 5/8"	4'-5"	4	12"	2'-3 5/8"	4'-4"	6'-4"	4	12"	7'-4"	4	12"	7'-4"
5	3	12"	12"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	3'-0"	5'-3"	4	12"	4'-8"	4	12"	4'-8"
5	4	12"	12"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	3'-6"	5'-9"	4	12"	5'-8"	4	12"	5'-8"
5	5	12"	12"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	4'-0"	6'-3"	4	12"	6'-8"	4	12"	6'-8"
5	6	12 1/4"	12 1/4"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	11"	10'-8"	4	11"	11'-8"	3	11"	2'-6"	4'-10"	4	11"	2'-6"	4'-6 1/4"	6'-9"	4	12"	7'-9"	4	12"	7'-9"
5	7	12 1/4"	12 1/4"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	11"	10'-8"	4	11"	11'-8"	4	11"	2'-6"	4'-9"	4	11"	2'-6"	5'-1/4"	7'-3"	4	8"	8'-9"	4	12"	8'-9"
6	4	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	3'-8 1/4"	6'-1"	4	12"	6'-0"	4	12"	6'-0"
6	5	14 1/2"	14 1/2"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	4'-2 1/2"	6'-8"	4	12"	7'-1"	4	12"	7'-1"
6	6	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	4'-8 1/4"	7'-1"	4	12"	8'-0"	4	12"	8'-0"
6	7	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	4	9"	12'-3"	4	9"	13'-8"	3	9"	2'-8 3/8"	5'-2"	4	9"	2'-8 3/8"	5'-2 1/4"	7'-7"	4	8"	9'-0"	4	12"	9'-0"
6	8	14 1/4"	14 1/4"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	9"	12'-3"	4	9"	13'-8"	--	--	----	----	5	9"	2'-8 3/8"	5'-8 1/4"	8'-1"	4	6"	10'-0"	4	12"	10'-0"
7	4	16 1/4"	16 1/4"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	5	8"	13'-10"	4	8"	15'-8"	--	--	----	----	4	8"	2'-10 3/4"	3'-10 1/4"	6'-6"	4	12"	6'-4"	4	11"	6'-4"
7	6	16 1/4"	16 1/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	9"	13'-10"	4	9"	15'-8"	--	--	----	----	4	9"	2'-10 3/4"	4'-10 1/4"	7'-6"	4	12"	8'-4"	4	11"	8'-4"
7	8	16 1/4"	16 1/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	9"	13'-10"	5	9"	15'-8"	3	9"	2'-10 3/4"	5'-7"	4	9"	2'-10 3/4"	5'-10 1/4"	8'-6"	4	6"	10'-4"	4	11"	10'-4"
7	10	16 1/4"	16 1/4"	8 1/2"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	9"	13'-10"	5	9"	15'-9"	3	9"	2'-11 1/4"	5'-8"	5	9"	2'-11 1/4"	6'-10 1/4"	9'-6"	6	9"	12'-4"	4	11"	12'-4"
8	4	18 1/4"	18 1/4"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1 1/4"	4'-1/4"	6'-10"	4	12"	6'-9"	4	10"	6'-9"
8	6	18 1/2"	18 1/2"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1 1/4"	5'-1/2"	7'-11"	4	12"	8'-9"	4	10"	8'-9"
8	8	18 3/4"	18 3/4"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	5	9"	3'-1 1/4"	6'-3/4"	8'-10"	4	6"	10'-9"	4	10"	10'-9"
8	10	18 1/2"	18 1/2"	8 1/2"	8"	16	16'-0"	16	16'-0"	8	8'-0"	6	9"	15'-6"	5	9"	17'-9"	--	--	----	----	6	9"	3'-1 3/4"	7'-1/2"	9'-9"	4	4"	12'-9"	4	10"	12'-9"
9	4	20 1/4"	20 1/4"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-3 5/8"	4'-2 1/4"	7'-3"	4	12"	7'-0"	4	10"	7'-0"
9	6	20 1/4"	20 1/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-3 5/8"	5'-2 1/4"	8'-3"	4	12"	9'-0"	4	10"	9'-0"
9	8	20 1/4"	20 1/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 5/8"	6'-5"	4	9"	3'-3 5/8"	6'-2 1/4"	9'-3"	4	6"	11'-0"	4	10"	11'-0"
9	10	20"	20"	8 1/2"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	17'-1"	5	9"	19'-9"	3	9"	3'-4 1/8"	6'-6"	5	9"	3'-4 1/8"	7'-2"	10'-2"	4	4"	13'-0"	4	10"	13'-0"
9	12	20 1/2"	20 1/2"	10"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	17'-1"	5	9"	20'-0"	3	9"	3'-5 5/8"	6'-9"	6	9"	3'-5 5/8"	8'-2 1/2"	11'-3"	6	7 1/2"	15'-1"	4	10"	15'-1"
10	4	22 3/4"	22 3/4"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	8"	18'-8"	5	8"	21'-8"	--	--	----	----	4	8"	3'-6"	4'-4 3/4"	7'-8"	4	12"	7'-6"	4	10"	7'-6"
10	6	22 3/4"	22 3/4"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	8"	18'-8"	5	8"	21'-8"	--	--	----	----	4	8"	3'-6"	5'-4 3/4"	8'-8"	4	11 1/2"	9'-6"	4	10"	9'-6"
10	8	22 1/2"	22 1/2"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	6	8"	18'-8"	5	8"	21'-8"	3	8"	3'-6"	6'-10"	4	8"	3'-6"	6'-4 1/2"	9'-7"	5	9"	11'-5"	4	10"	11'-5"
10	10	22 1/4"	22 1/4"	8 1/2"	8"	20	20'-0"	20	20'-0"	8	8'-0"	6	8"	18'-8"	5	8"	21'-9"	3	8"	3'-6 1/2"	6'-11"	5	8"	3'-6 1/2"	7'-4 1/4"	10'-7"	5	6"	13'-4"	4	10"	13'-4"
10	12	22 1/4"	22 1/4"	10"	8"	20	20'-0"	20	20'-0"	10	10'-0"	7	9"	18'-8"	6	9"	22'-0"	3	9"	3'-8"	7'-2"	6	9"	3'-8"	8'-4 1/4"	11'-7"	6	7 1/2"	15'-4"	4	10"	15'-4"
12	6	26 3/4"	26 3/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	7	9"	21'-10"	6	9"	25'-8"	--	--	----	----	4	9"	3'-10 3/4"	5'-8 3/4"	9'-4"	4	10"	10'-2"	4	8 1/2"	10'-2"
12	8	26 1/2"	26 1/2"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-10 3/4"	7'-7"	4	9"	3'-10 3/4"	6'-8 1/2"	10'-4"	4	5 1/2"	12'-1"	4	8 1/2"	12'-1"
12	10	26 1/2"	26 1/2"	8 1/2"	8"	24	24'-0"	24	24'-0"	8	8'-0"	7	9"	21'-10"	6	9"	25'-9"	3	9"	3'-11 1/4"	7'-8"	5	9"	3'-11 1/4"	7'-8 1/2"	11'-4"	6	8"	14'-1"	4	8 1/2"	14'-1"
12	12	26 3/4"	26 3/4"	10"	8"	24	24'-0"	24	24'-0"	10	10'-0"	7	9"	21'-10"	6	9"	26'-0"	3	9"	4'-3/4"	7'-11"	6	9"	4'-3/4"	8'-8 3/4"	12'-5"	5	5"	16'-2"	4	8 1/2"	16'-2"

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

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 2	REVISION DATE
1003.20	

DOUBLE BOX CULVERTS

35 TO 40 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE