

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

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

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2 REVISION DATE

1003.14

DOUBLE BOX CULVERTS
20 TO 25 FT. FILLS
VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE