

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 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"	13	13'-0"	13	13'-0"	1	1'-0"	4	12"	14'-10"	4	12"	15'-0"	--	--	----	----	4	12"	2'-1 1/4"	2'-8"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8"	8"	8"	8"	13	13'-0"	13	13'-0"	2	2'-0"	4	12"	14'-10"	4	12"	15'-0"	--	--	----	----	4	12"	2'-1 1/4"	3'-2"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	8"	8"	8"	8"	17	17'-0"	17	17'-0"	1	1'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 5/8"	2'-8"	4'-8"	4	12"	4'-0"	4	12"	4'-0"
4	4	8"	8"	8"	8"	17	17'-0"	17	17'-0"	2	2'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 5/8"	3'-2"	5'-2"	4	12"	5'-0"	4	12"	5'-0"
4	5	8"	8"	8"	8"	17	17'-0"	17	17'-0"	3	3'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 5/8"	3'-8"	5'-8"	4	12"	6'-0"	4	12"	6'-0"
4	6	8"	8"	8"	8"	17	17'-0"	17	17'-0"	4	4'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-3 5/8"	4'-2"	6'-2"	4	12"	7'-0"	4	12"	7'-0"
5	3	8 3/4"	8 3/4"	8"	8"	21	21'-0"	21	21'-0"	1	1'-0"	4	12"	22'-0"	4	12"	23'-0"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	2'-8 3/4"	5'-0"	4	12"	4'-2"	4	12"	4'-2"
5	4	9"	9"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	4	12"	22'-0"	4	12"	23'-0"	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"	9"	8"	8"	21	21'-0"	21	21'-0"	3	3'-0"	4	12"	22'-0"	4	12"	23'-0"	3	12"	2'-6"	4'-10"	4	12"	2'-6"	3'-9"	6'-0"	4	12"	6'-2"	4	12"	6'-2"
5	6	9"	9"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	4	12"	22'-0"	4	12"	23'-0"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	4'-3"	6'-6"	4	12"	7'-2"	4	12"	7'-2"
5	7	9 1/4"	9 1/4"	8"	8"	21	21'-0"	21	21'-0"	5	5'-0"	4	12"	22'-0"	4	12"	23'-0"	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 1/2"	10 1/2"	8"	8"	25	25'-0"	25	25'-0"	2	2'-0"	4	11"	25'-7"	4	11"	27'-0"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	3'-4 1/2"	5'-10"	4	12"	5'-5"	4	12"	5'-5"
6	5	10 1/2"	10 1/2"	8"	8"	25	25'-0"	25	25'-0"	3	3'-0"	4	11"	25'-7"	4	11"	27'-0"	3	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	3'-10 1/2"	6'-4"	4	12"	6'-5"	4	12"	6'-5"
6	6	10 3/4"	10 3/4"	8"	8"	25	25'-0"	25	25'-0"	4	4'-0"	4	11"	25'-7"	4	11"	27'-0"	3	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	4'-4 3/4"	6'-10"	4	12"	7'-5"	4	12"	7'-5"
6	7	10 3/4"	10 3/4"	8"	8"	25	25'-0"	25	25'-0"	5	5'-0"	4	11"	25'-7"	4	11"	27'-0"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	4'-10 3/4"	7'-4"	4	12"	8'-5"	4	12"	8'-5"
6	8	10 3/4"	10 3/4"	8"	8"	25	25'-0"	25	25'-0"	6	6'-0"	4	11"	25'-7"	4	11"	27'-0"	--	--	----	----	5	11"	2'-8 3/8"	5'-4 3/4"	7'-9"	4	11 1/2"	9'-5"	4	12"	9'-5"
7	4	12 1/4"	12 1/4"	8"	8"	29	29'-0"	29	29'-0"	2	2'-0"	4	9"	29'-2"	4	9"	31'-0"	--	--	----	----	4	9"	2'-10 3/4"	3'-6 1/4"	6'-2"	4	12"	5'-9"	4	12"	5'-9"
7	6	12 1/2"	12 1/2"	8"	8"	29	29'-0"	29	29'-0"	4	4'-0"	4	9"	29'-2"	4	9"	31'-0"	--	--	----	----	4	9"	2'-10 3/4"	4'-6 1/2"	7'-2"	4	12"	7'-9"	4	12"	7'-9"
7	8	12 3/4"	12 3/4"	8"	8"	29	29'-0"	29	29'-0"	6	6'-0"	4	9"	29'-2"	4	9"	31'-0"	3	9"	2'-10 3/4"	5'-7"	4	9"	2'-10 3/4"	5'-6 3/4"	8'-2"	4	11 1/2"	9'-9"	4	12"	9'-9"
7	10	12 3/4"	12 3/4"	8"	8"	29	29'-0"	29	29'-0"	8	8'-0"	4	9"	29'-2"	4	9"	31'-0"	3	9"	2'-10 3/4"	5'-7"	5	9"	2'-10 3/4"	6'-6 3/4"	9'-2"	4	6"	11'-9"	4	12"	11'-9"
8	4	13 1/2"	13 1/2"	8"	8"	33	33'-0"	33	33'-0"	2	2'-0"	5	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1 1/4"	3'-7 1/2"	6'-6"	4	12"	5'-11"	4	12"	5'-11"
8	6	13 1/2"	13 1/2"	8"	8"	33	33'-0"	33	33'-0"	4	4'-0"	5	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1 1/4"	4'-7 1/2"	7'-6"	4	12"	7'-11"	4	12"	7'-11"
8	8	13 3/4"	13 3/4"	8"	8"	33	33'-0"	33	33'-0"	6	6'-0"	5	9"	32'-10"	5	9"	35'-0"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	5'-7 3/4"	8'-6"	4	12"	10'-0"	4	12"	10'-0"
8	10	13 3/4"	13 3/4"	8"	8"	33	33'-0"	33	33'-0"	8	8'-0"	5	9"	32'-10"	5	9"	35'-0"	3	9"	3'-1 1/4"	6'-0"	5	9"	3'-1 1/4"	6'-7 3/4"	9'-5"	4	6"	12'-0"	4	12"	12'-0"
9	4	15"	15"	8"	8"	37	37'-0"	37	37'-0"	2	2'-0"	5	8"	36'-5"	5	8"	39'-0"	--	--	----	----	4	8"	3'-3 5/8"	3'-9"	6'-9"	4	12"	6'-2"	4	12"	6'-2"
9	6	15"	15"	8"	8"	37	37'-0"	37	37'-0"	4	4'-0"	5	8"	36'-5"	5	8"	39'-0"	--	--	----	----	4	8"	3'-3 5/8"	4'-9"	7'-9"	4	12"	8'-2"	4	12"	8'-2"
9	8	15 1/4"	15 1/4"	8"	8"	37	37'-0"	37	37'-0"	6	6'-0"	5	8"	36'-5"	5	8"	39'-0"	3	8"	3'-3 5/8"	6'-5"	4	8"	3'-3 5/8"	5'-9 1/4"	8'-10"	4	12"	10'-3"	4	12"	10'-3"
9	10	15 1/4"	15 1/4"	8"	8"	37	37'-0"	37	37'-0"	8	8'-0"	5	8"	36'-5"	5	8"	39'-0"	--	--	----	----	5	8"	3'-3 5/8"	6'-9 1/4"	9'-9"	4	6"	12'-3"	4	12"	12'-3"
9	12	15 1/4"	15 1/4"	8"	8"	37	37'-0"	37	37'-0"	10	10'-0"	5	9"	36'-5"	5	9"	39'-0"	--	--	----	----	7	9"	3'-3 5/8"	7'-9 1/4"	10'-7"	5	6"	14'-3"	4	12"	14'-3"
10	4	16 1/2"	16 1/2"	8"	8"	41	41'-0"	41	41'-0"	2	2'-0"	6	9"	40'-0"	5	9"	43'-0"	--	--	----	----	4	9"	3'-6"	3'-10 1/2"	7'-1"	4	12"	6'-5"	4	12"	6'-5"
10	6	16 1/2"	16 1/2"	8"	8"	41	41'-0"	41	41'-0"	4	4'-0"	6	9"	40'-0"	5	9"	43'-0"	--	--	----	----	4	9"	3'-6"	4'-10 1/2"	8'-1"	4	12"	8'-5"	4	12"	8'-5"
10	8	16 3/4"	16 3/4"	8"	8"	41	41'-0"	41	41'-0"	6	6'-0"	6	9"	40'-0"	5	9"	43'-0"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	5'-10 3/4"	9'-2"	4	12"	10'-6"	4	12"	10'-6"
10	10	16 3/4"	16 3/4"	8"	8"	41	41'-0"	41	41'-0"	8	8'-0"	6	9"	40'-0"	5	9"	43'-0"	3	9"	3'-6"	6'-10"	5	9"	3'-6"	6'-10 3/4"	10'-1"	4	6"	12'-6"	4	12"	12'-6"
10	12	17"	17"	8"	8"	41	41'-0"	41	41'-0"	10	10'-0"	6	9"	40'-0"	5	9"	43'-0"	4	9"	3'-6"	6'-9"	6	9"	3'-6"	7'-11"	11'-0"	5	6"	14'-6"	4	12"	14'-6"
12	6	19 3/4"	19 3/4"	8"	8"	49	49'-0"	49	49'-0"	4	4'-0"	6	8"	47'-2"	5	8"	51'-0"	--	--	----	----	4	8"	3'-10 3/4"	5'-1 3/4"	8'-9"	4	12"	9'-0"	4	10 1/2"	9'-0"
12	8	19 3/4"	19 3/4"	8"	8"	49	49'-0"	49	49'-0"	6	6'-0"	6	8"	47'-2"	5	8"	51'-0"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	6'-1 3/4"	9'-9"	4	12"	11'-0"	4	10 1/2"	11'-0"
12	10	19 3/4"	19 3/4"	8"	8"	49	49'-0"	49	49'-0"	8	8'-0"	6	8"	47'-2"	5	8"	51'-0"	--	--	----	----	5	8"	3'-10 3/4"	7'-1 3/4"	10'-9"	4	6"	13'-0"	4	10 1/2"	13'-0"
12	12	20"	20"	8"	8"	49	49'-0"	49	49'-0"	10	10'-0"	6	8"	47'-2"	5	8"	51'-0"	4	8"	3'-10 3/4"	7'-6"	5	8"	3'-10 3/4"	8'-2"	11'-9"	7	11 1/2"	15'-0"	4	10 1/2"	15'-0"

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

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 2	REVISION DATE
1005.14	

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

SPECIFICATION REFERENCE