


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	8/4	8/4	8	8	13	13'-0"	13	13'-0"	1	1'-0"	4	12"	14'-10"	4	12"	15'-0"	4	12"	2'-11/4"	3'-11"	4	12"	2'-11/4"	2'-8/4"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8/4	8/4	8	8	13	13'-0"	13	13'-0"	2	2'-0"	4	12"	14'-10"	4	12"	15'-0"	4	12"	2'-11/4"	3'-11"	4	12"	2'-11/4"	3'-2/4"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	10/2	10/2	8	8	17	17'-0"	17	17'-0"	1	1'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-35/8"	2'-10/2"	4'-11"	4	12"	4'-5"	4	12"	4'-5"
4	4	10/2	10/2	8	8	17	17'-0"	17	17'-0"	2	2'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-35/8"	3'-4/2"	5'-5"	4	12"	5'-5"	4	12"	5'-5"
4	5	103/4	103/4	8	8	17	17'-0"	17	17'-0"	3	3'-0"	4	12"	18'-5"	4	12"	19'-0"	--	--	----	----	4	12"	2'-35/8"	3'-103/4"	5'-11"	4	12"	6'-5"	4	12"	6'-5"
4	6	103/4	103/4	8	8	17	17'-0"	17	17'-0"	4	4'-0"	4	12"	18'-5"	4	12"	19'-0"	4	12"	2'-35/8"	4'-4"	4	12"	2'-35/8"	4'-43/4"	6'-5"	4	11"	7'-5"	4	12"	7'-5"
5	3	12/2	12/2	8	8	21	21'-0"	21	21'-0"	1	1'-0"	4	10"	22'-0"	4	10"	23'-0"	--	--	----	----	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	21	21'-0"	21	21'-0"	2	2'-0"	4	10"	22'-0"	4	10"	23'-0"	--	--	----	----	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	21	21'-0"	21	21'-0"	3	3'-0"	4	10"	22'-0"	4	10"	23'-0"	--	--	----	----	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	21	21'-0"	21	21'-0"	4	4'-0"	4	10"	22'-0"	4	10"	23'-0"	--	--	----	----	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	21	21'-0"	21	21'-0"	5	5'-0"	4	10"	22'-0"	4	10"	23'-0"	--	--	----	----	5	10"	2'-6"	5'-1/2"	7'-3"	4	7"	8'-9"	4	12"	8'-9"
6	4	15/4	15/4	8	8	25	25'-0"	25	25'-0"	2	2'-0"	4	9"	25'-7"	5	9"	27'-0"	--	--	----	----	4	9"	2'-83/8"	3'-9/4"	6'-2"	4	12"	6'-3"	4	12"	6'-3"
6	5	15/4	15/4	8	8	25	25'-0"	25	25'-0"	3	3'-0"	4	9"	25'-7"	5	9"	27'-0"	--	--	----	----	4	9"	2'-83/8"	4'-3/4"	6'-8"	4	12"	7'-3"	4	12"	7'-3"
6	6	143/4	143/4	8	8	25	25'-0"	25	25'-0"	4	4'-0"	4	9"	25'-7"	5	9"	27'-0"	--	--	----	----	4	9"	2'-83/8"	4'-83/4"	7'-2"	4	12"	8'-1"	4	12"	8'-1"
6	7	143/4	143/4	8	8	25	25'-0"	25	25'-0"	5	5'-0"	4	9"	25'-7"	5	9"	27'-0"	3	9"	2'-83/8"	5'-2"	4	9"	2'-83/8"	5'-23/4"	7'-8"	4	7"	9'-1"	4	12"	9'-1"
6	8	143/4	143/4	8	8	25	25'-0"	25	25'-0"	6	6'-0"	4	9"	25'-7"	5	9"	27'-0"	--	--	----	----	5	9"	2'-83/8"	5'-83/4"	8'-1"	4	5/2"	10'-1"	4	12"	10'-1"
7	4	163/4	163/4	8	8	29	29'-0"	29	29'-0"	2	2'-0"	4	9"	29'-2"	5	9"	31'-0"	--	--	----	----	4	9"	2'-103/4"	3'-103/4"	6'-6"	4	12"	6'-6"	4	10/2"	6'-6"
7	6	17"	17"	8	8	29	29'-0"	29	29'-0"	4	4'-0"	5	9"	29'-2"	5	9"	31'-0"	--	--	----	----	4	9"	2'-103/4"	4'-11"	7'-7"	4	11/2"	8'-6"	4	10/2"	8'-6"
7	8	17"	17"	8	8	29	29'-0"	29	29'-0"	6	6'-0"	5	9"	29'-2"	5	9"	31'-0"	4	9"	2'-103/4"	5'-6"	4	9"	2'-103/4"	5'-11"	8'-7"	4	5/2"	10'-6"	4	10/2"	10'-6"
7	10	17/4	17/4	9	8	29	29'-0"	29	29'-0"	8	8'-0"	5	9"	29'-2"	5	9"	31'-2"	3	9"	2'-113/4"	5'-9"	5	9"	2'-113/4"	6'-11/4"	9'-7"	4	4"	12'-6"	4	10/2"	12'-6"
8	4	19/4	19/4	8	8	33	33'-0"	33	33'-0"	2	2'-0"	6	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1/4"	4'-1/4"	6'-11"	4	12"	6'-10"	4	10"	6'-10"
8	6	19/4	19/4	8	8	33	33'-0"	33	33'-0"	4	4'-0"	6	9"	32'-10"	5	9"	35'-0"	--	--	----	----	4	9"	3'-1/4"	5'-1/4"	7'-11"	4	11"	8'-10"	4	10"	8'-10"
8	8	19/4	19/4	8	8	33	33'-0"	33	33'-0"	6	6'-0"	5	8"	32'-10"	5	8"	35'-0"	3	8"	3'-11/4"	6'-0"	4	8"	3'-11/4"	6'-1/4"	8'-11"	4	5/2"	10'-10"	4	10"	10'-10"
8	10	19/4	19/4	9	8	33	33'-0"	33	33'-0"	8	8'-0"	5	8"	32'-10"	5	8"	35'-2"	3	8"	3'-21/4"	6'-2"	5	8"	3'-21/4"	7'-11/4"	10'-0"	4	4"	12'-10"	4	10"	12'-10"
9	4	21/2	21/2	8	8	37	37'-0"	37	37'-0"	2	2'-0"	6	9"	36'-5"	6	9"	39'-0"	--	--	----	----	4	9"	3'-35/8"	4'-3/2"	7'-4"	4	12"	7'-3"	4	10"	7'-3"
9	6	21/2	21/2	8	8	37	37'-0"	37	37'-0"	4	4'-0"	6	9"	36'-5"	6	9"	39'-0"	--	--	----	----	4	9"	3'-35/8"	5'-3/2"	8'-4"	4	10/2"	9'-3"	4	10"	9'-3"
9	8	21/2	21/2	8	8	37	37'-0"	37	37'-0"	6	6'-0"	6	9"	36'-5"	6	9"	39'-0"	--	--	----	----	5	9"	3'-35/8"	6'-3/2"	9'-3"	6	11/2"	11'-3"	4	10"	11'-3"
9	10	21/2	21/2	9	8	37	37'-0"	37	37'-0"	8	8'-0"	6	9"	36'-5"	6	9"	39'-2"	--	--	----	----	6	9"	3'-45/8"	7'-3/2"	10'-3"	5	6"	13'-3"	4	10"	13'-3"
9	12	21/2	21/2	10/2	8	37	37'-0"	37	37'-0"	10	10'-0"	6	9"	36'-5"	6	9"	39'-5"	3	9"	3'-61/8"	6'-10"	6	9"	3'-61/8"	8'-3/2"	11'-5"	7	10"	15'-3"	4	10"	15'-3"
10	4	23/2	23/2	8	8	41	41'-0"	41	41'-0"	2	2'-0"	6	9"	40'-0"	6	9"	43'-0"	--	--	----	----	4	9"	3'-6"	4'-5/2"	7'-8"	4	12"	7'-7"	4	9/2"	7'-7"
10	6	23/2	23/2	8	8	41	41'-0"	41	41'-0"	4	4'-0"	6	9"	40'-0"	6	9"	43'-0"	--	--	----	----	4	9"	3'-6"	5'-5/2"	8'-8"	4	10"	9'-7"	4	10"	9'-7"
10	8	23/2	23/2	8	8	41	41'-0"	41	41'-0"	6	6'-0"	6	9"	40'-0"	6	9"	43'-0"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-5/2"	9'-8"	5	8"	11'-7"	4	10"	11'-7"
10	10	23/2	23/2	9	8	41	41'-0"	41	41'-0"	8	8'-0"	6	9"	40'-0"	6	9"	43'-2"	3	9"	3'-7"	7'-0"	5	9"	3'-7"	7'-5/2"	10'-9"	7	11/2"	13'-7"	4	10"	13'-7"
10	12	23/2	23/2	10/2	8	41	41'-0"	41	41'-0"	10	10'-0"	6	9"	40'-0"	6	9"	43'-5"	3	9"	3'-81/2"	7'-3"	6	9"	3'-81/2"	8'-5/2"	11'-9"	5	5"	15'-7"	4	10"	15'-7"
12	6	28/4	28/4	8	8	49	49'-0"	49	49'-0"	4	4'-0"	7	8"	47'-2"	6	8"	51'-0"	--	--	----	----	4	8"	3'-103/4"	5'-10/4"	9'-6"	4	8"	10'-5"	4	8"	10'-5"
12	8	28/4	28/4	8	8	49	49'-0"	49	49'-0"	6	6'-0"	7	8"	47'-2"	6	8"	51'-0"	--	--	----	----	4	8"	3'-103/4"	6'-10/4"	10'-6"	4	4/2"	12'-5"	4	8"	12'-5"
12	10	28/4	28/4	9/4	8	49	49'-0"	49	49'-0"	8	8'-0"	7	8"	47'-2"	6	8"	51'-3"	3	8"	4'-0"	7'-10"	5	8"	4'-0"	7'-10/4"	11'-6"	6	8"	14'-5"	4	8"	14'-5"
12	12	28/4	28/4	10/2	8	49	49'-0"	49	49'-0"	10	10'-0"	6	8"	47'-2"	6	8"	51'-5"	4	8"	4'-11/4"	7'-11"	5	8"	4'-11/4"	8'-10/4"	12'-8"	8	12"	16'-5"	4	8"	16'-5"

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

 ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 2	REVISION DATE
1005.22	

QUADRUPLE BOX CULVERTS
40 TO 45 FT. FILLS
 VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE