

DIMENSIONS					REINFORCING STEEL																						
SPAN	HGHT	T1	T2	T3	A	B	C	D	E	F	BH1				BH2			BH3				BV1			NO. BL1 BARS	NO. BL2 BARS	
(FT.)	(FT.)	TOP SLAB (IN.)	BOTTOM SLAB (IN.)	WALL (IN.)							SIZE	SPACING C-C	a	b	LENGTH	SIZE	SPACING C-C	LENGTH	SIZE	SPACING C-C	a	LENGTH	SIZE	SPACING C-C			LENGTH
12	14	11 1/2"	11 1/2"	8"	11	11'- 0"	11	11'- 0"	12	12'- 0"	5	6 1/2"	13'- 0"	8'- 5 1/2"	29'- 3"	8	6 1/2"	13'- 0"	4	6 1/2"	3'-10 3/4"	7'- 6"	4	7 1/2"	15'- 7"	52	52
12	16	12"	12"	8 3/4"	11	11'- 0"	11	11'- 0"	14	14'- 0"	6	6"	13'- 1/2"	9'- 6"	31'- 4"	8	6"	13'- 1"	--	---	-----	-----	5	7 1/2"	17'- 8"	52	60
14	8	11 3/4"	11 3/4"	8"	13	13'- 0"	13	13'- 0"	6	6'- 0"	6	6 1/2"	15'- 0"	5'- 5 3/4"	25'- 2"	8	6 1/2"	15'- 0"	--	---	-----	-----	4	6"	9'- 8"	60	28
14	10	11 3/4"	11 3/4"	8"	13	13'- 0"	13	13'- 0"	8	8'- 0"	5	6"	15'- 0"	6'- 5 3/4"	27'- 4"	8	6"	15'- 0"	3	6"	4'- 3 5/8"	8'- 5"	4	6"	11'- 8"	60	36
14	12	12"	12"	8"	13	13'- 0"	13	13'- 0"	10	10'- 0"	5	6"	15'- 0"	7'- 6"	29'- 4"	8	6"	15'- 0"	3	6"	4'- 3 5/8"	8'- 5"	4	12"	13'- 8"	60	44
14	14	12 1/2"	12 1/2"	8"	13	13'- 0"	13	13'- 0"	12	12'- 0"	5	5 1/2"	15'- 0"	8'- 6 1/2"	31'- 5"	8	5 1/2"	15'- 0"	3	5 1/2"	4'- 3 5/8"	8'- 5"	4	11 1/2"	15'- 9"	60	52
14	16	12 3/4"	12 3/4"	8 1/2"	13	13'- 0"	13	13'- 0"	14	14'- 0"	6	5 1/2"	15'- 1"	9'- 6 3/4"	33'- 5"	8	5 1/2"	15'- 1"	--	---	-----	-----	4	5 1/2"	17'- 9"	60	60

SPAN	HGHT	REINFORCING STEEL (LBS/LONG. J)	QUAN./LF		HEADWALLS											
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	G		HW1		INLET CONCRETE CL. A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL. A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL			
(FT.)	(FT.)				HEADWALL LENGTH	SIZE	LENGTH									
12	14	61.776	1.652	365.400	14'-10"	6	14'- 6"	2.911	87.116	2.945	87.116	X				
12	16	64.600	1.869	444.241	14'-10"	6	14'- 6"	3.003	87.116	3.036	87.116	BB				
14	8	59.984	1.521	363.885	16'-10"	6	16'- 6"	2.529	99.132	2.569	99.132	L				
14	10	62.808	1.619	384.341	16'-10"	6	16'- 6"	2.714	99.132	2.754	99.132	P				
14	12	65.632	1.741	382.779	16'-10"	6	16'- 6"	2.893	99.132	2.933	99.132	T				
14	14	68.456	1.884	426.957	16'-10"	6	16'- 6"	3.064	99.132	3.105	99.132	X				
14	16	71.280	2.056	509.133	16'-10"	6	16'- 6"	3.187	99.132	3.227	99.132	BB				

For Typical Section, notes and other details, refer to Standard BCB-DT.

OVERSIZE BOX CULVERTS
5 TO 10 FT. FILLS
VIRGINIA DEPARTMENT OF TRANSPORTATION