

DIMENSIONS					REINFORCING STEEL																						
SPAN	HGHT	T1	T2	T3	BH1												BH2			BH3			BV1			NO. BL1 BARS	NO. BL2 BARS
(FT.)	(FT.)	TOP SLAB (IN.)	BOTTOM SLAB (IN.)	WALL (IN.)	A	B	C	D	E	F	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	27 1/2"	27 1/2"	12 3/4"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	13'-9 1/2"	9'-9 1/2"	32'-9"	8	5"	13'-9"	4	5"	4'-3 1/2"	8'-4"	8	12"	18'-3"	52	52
12	16	27 3/4"	27 3/4"	14 1/2"	11	11'-0"	11	11'-0"	14	14'-0"	6	4 1/2"	14'-1"	10'-9 3/4"	34'-11"	9	4 1/2"	14'-1"	3	4 1/2"	4'-5 1/4"	8'-8"	7	8"	20'-3"	52	60
14	8	31 1/2"	31 1/2"	11 3/4"	13	13'-0"	13	13'-0"	6	6'-0"	4	4 1/2"	15'-7 1/2"	7'-1 1/2"	29'-4"	9	4 1/2"	15'-7"	--	---	-----	-----	4	12"	12'-11"	60	28
14	10	31 1/2"	31 1/2"	10 3/4"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-5 1/2"	8'-1 1/2"	31'-2"	9	4 1/2"	15'-6"	--	---	-----	-----	5	7 1/2"	14'-11"	60	36
14	12	31 1/4"	31 1/4"	11 1/4"	13	13'-0"	13	13'-0"	10	10'-0"	4	4 1/2"	15'-6 1/2"	9'-1 1/4"	33'-3"	8	4 1/2"	15'-6"	4	4 1/2"	4'-6 3/8"	8'-11"	6	8"	16'-11"	60	44
14	14	31 1/4"	31 1/4"	13"	13	13'-0"	13	13'-0"	12	12'-0"	5	4 1/2"	15'-10"	10'-1 1/4"	35'-5"	9	4 1/2"	15'-10"	3	4 1/2"	4'-8 5/8"	9'-3"	6	7"	18'-11"	60	52
14	16	31 1/4"	31 1/4"	14 1/2"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	16'-1"	11'-1 1/4"	37'-6"	9	4 1/2"	16'-1"	3	4 1/2"	4'-10 1/8"	9'-6"	6	6"	20'-11"	60	60

SPAN	HGHT	REINFORCING STEEL (LBS/LONG, JT)	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	3.500	545.363	14'-10"	6	14'-6"	2.080	87.116	2.110	87.116	AA													
12	16	64.600	3.886	751.312	14'-10"	6	14'-6"	1.979	87.116	2.008	87.116	EE													
14	8	59.984	3.691	454.947	16'-10"	6	16'-6"	1.732	99.132	1.770	99.132	O													
14	10	62.808	3.738	495.505	16'-10"	6	16'-6"	1.965	99.132	2.003	99.132	S													
14	12	65.632	3.897	535.563	16'-10"	6	16'-6"	2.071	99.132	2.109	99.132	W													
14	14	68.456	4.232	678.268	16'-10"	6	16'-6"	2.010	99.132	2.047	99.132	AA													
14	16	71.280	4.579	818.453	16'-10"	6	16'-6"	1.939	99.132	1.974	99.132	EE													

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

OVERSIZE BOX CULVERTS
45 TO 50 FT. FILLS
VIRGINIA DEPARTMENT OF TRANSPORTATION