

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

BCB-50

DIMENSIONS						REINFORCING STEEL																					
SPAN	HGHT	T1	T2	T3		BH1				BH2			BH3				BVI			NO. BL1 #4 BARS	NO. BL2 #3 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"	15 1/2"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	14'-3"	10'-0"	33'-7"	8	5"	14'-3"	4	5"	6'-0"	11'-8"	8	10"	18'-3"	52	52
12	16	27 3/4"	27 3/4"	18 1/2"	11	11'-0"	11	11'-0"	14	14'-0"	6	4 1/2"	14'-9"	11'-2"	36'-3"	9	4 1/2"	14'-9"	3	4 1/2"	6'-5"	12'-6"	8	9"	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'-2"	29'-5"	9	4 1/2"	15'-7"	--	---	-----	-----	4	9"	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'-2"	31'-3"	9	4 1/2"	15'-5"	--	---	-----	-----	5	4 1/2"	14'-11"	60	36
14	12	31 1/4"	31 1/4"	11 1/2"	13	13'-0"	13	13'-0"	10	10'-0"	4	4 1/2"	15'-7"	9'-2"	33'-4"	9	4 1/2"	15'-6"	4	4 1/2"	5'-11"	11'-5"	7	8"	16'-10"	60	44
14	14	31 1/4"	31 1/4"	15"	13	13'-0"	13	13'-0"	12	12'-0"	5	4 1/2"	16'-2"	10'-4"	36'-1"	9	4 1/2"	16'-2"	3	4 1/2"	6'-3"	12'-4"	7	7"	18'-10"	60	52
14	16	31 1/4"	31 1/4"	17 1/2"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	16'-7"	11'-6"	38'-8"	9	4 1/2"	16'-7"	4	4 1/2"	6'-8"	13'-1"	6	4 1/2"	20'-10"	60	60

SPAN	HGHT	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS																				
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	G	HW I		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	3.810	603.234	14'-10"	6	14'-6"	2.080	87.116	2.110	87.116	AA													
12	16	64.600	4.390	817.047	14'-10"	6	14'-6"	1.979	87.116	2.008	87.116	EE													
14	8	59.984	3.689	470.179	16'-10"	6	16'-6"	1.732	99.132	1.770	99.132	O													
14	10	62.808	3.735	536.664	16'-10"	6	16'-6"	1.965	99.132	2.003	99.132	S													
14	12	65.632	3.914	651.161	16'-10"	6	16'-6"	2.071	99.132	2.109	99.132	W													
14	14	68.456	4.464	743.491	16'-10"	6	16'-6"	2.010	99.132	2.047	99.132	AA													
14	16	71.280	4.961	941.671	16'-10"	6	16'-6"	1.939	99.132	1.974	99.132	EE													

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE

SPECIFICATION REFERENCE	OVERSIZE BOX CULVERTS		VDOT ROAD AND BRIDGE STANDARDS
	40 TO 50 FT. FILLS		
	VIRGINIA DEPARTMENT OF TRANSPORTATION		REVISION DATE 07/11
			SHEET 1 OF 1 1001.09