

DIMENSIONS										REINFORCING STEEL																	
SPAN		HT		T1	T2	T3					BH1				BH2			BH3			BV1						
(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	NO. BL1 BARS	NO. BL2 BARS
12	14	17"	17"	9 1/2"	11	11'-0"	11	11'-0"	12	12'-0"	6	5 1/2"	13'-3"	8'-11"	30'-3"	8	5 1/2"	13'-3"	--	--	-----	-----	4	4 1/2"	16'-6"	52	52
12	16	17 1/4"	17 1/4"	10 1/4"	11	11'-0"	11	11'-0"	14	14'-0"	7	5 1/2"	13'-4 1/2"	9'-11 1/4"	32'-4"	8	5 1/2"	13'-4"	--	--	-----	-----	7	10"	18'-6"	52	60
14	8	19 3/4"	19 3/4"	8"	13	13'-0"	13	13'-0"	6	6'-0"	4	5"	15'-0"	6'-1 3/4"	26'-9"	8	5"	15'-0"	--	--	-----	-----	4	12"	11'-0"	60	28
14	10	19 3/4"	19 3/4"	8"	13	13'-0"	13	13'-0"	8	8'-0"	4	5"	15'-0"	7'-1 3/4"	28'-9"	8	5"	15'-0"	3	5"	4'-3 5/8"	8'-5"	4	12"	13'-0"	60	36
14	12	20"	20"	8"	13	13'-0"	13	13'-0"	10	10'-0"	5	5"	15'-0"	8'-2"	30'-8"	8	5"	15'-0"	--	--	-----	-----	6	11 1/2"	15'-0"	60	44
14	14	19 3/4"	19 3/4"	9"	13	13'-0"	13	13'-0"	12	12'-0"	5	5"	15'-2"	9'-1 3/4"	32'-10"	8	5"	15'-2"	3	5"	4'-4 5/8"	8'-7"	5	6 1/2"	17'-0"	60	52
14	16	19 3/4"	19 3/4"	10 1/4"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	15'-4 1/2"	10'-1 3/4"	34'-10"	8	4 1/2"	15'-4"	--	--	-----	-----	5	5 1/2"	19'-0"	60	60

SPAN		HT		QUAN./LF			HEADWALLS							
(FT.)	(FT.)	REINFORCING STEEL (LBS/LONG. JT)	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	
					HEADWALL LENGTH	SIZE	LENGTH							
12	14	61.776	2.253	465.711	14'-10"	6	14'-6"	2.656	87.116	2.689	87.116	Y		
12	16	64.600	2.469	591.785	14'-10"	6	14'-6"	2.731	87.116	2.763	87.116	CC		
14	8	59.984	2.280	343.315	16'-10"	6	16'-6"	2.325	99.132	2.365	99.132	M		
14	10	62.808	2.376	385.789	16'-10"	6	16'-6"	2.511	99.132	2.551	99.132	Q		
14	12	65.632	2.493	449.413	16'-10"	6	16'-6"	2.689	99.132	2.729	99.132	U		
14	14	68.456	2.670	514.836	16'-10"	6	16'-6"	2.776	99.132	2.815	99.132	Y		
14	16	71.280	2.920	646.499	16'-10"	6	16'-6"	2.801	99.132	2.839	99.132	CC		

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

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1      REVISION DATE

1001.08

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

SPECIFICATION REFERENCE