

DIMENSIONS											REINFORCING STEEL																
SPAN	HEIGHT	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	19 1/2"	19 1/2"	9 3/4"	11	11'-0"	11	11'-0"	12	12'-0"	5	5/2"	13'-3 1/2"	9'-1 1/2"	30'-11"	8	5/2"	13'-3"	4	5/2"	4'-1/2"	7'-10"	6	8"	16'-11"	52	52
12	16	19 1/2"	19 1/2"	11"	11	11'-0"	11	11'-0"	14	14'-0"	6	5/2"	13'-6"	10'-1 1/2"	32'-11"	8	5/2"	13'-6"	3	5/2"	4'-1 3/4"	8'-1"	8	12"	16'-11"	52	60
14	8	22 1/2"	22 1/2"	8"	13	13'-0"	13	13'-0"	6	6'-0"	4	5"	15'-0"	6'-4 1/2"	27'-3"	8	5"	15'-0"	--	---	-----	-----	4	12"	11'-5"	60	28
14	10	22 3/4"	22 3/4"	8"	13	13'-0"	13	13'-0"	8	8'-0"	4	5"	15'-0"	7'-4 3/4"	29'-3"	8	5"	15'-0"	3	5"	4'-3 5/8"	8'-5"	4	6 1/2"	13'-6"	60	36
14	12	22 3/4"	22 3/4"	8 1/4"	13	13'-0"	13	13'-0"	10	10'-0"	5	4 1/2"	15'-1 1/2"	8'-4 3/4"	31'-2"	8	4 1/2"	15'-0"	--	---	-----	-----	6	9"	15'-6"	60	44
14	14	22 3/4"	22 3/4"	9 1/2"	13	13'-0"	13	13'-0"	12	12'-0"	5	5"	15'-3"	9'-4 3/4"	33'-5"	8	5"	15'-3"	3	5"	4'-5 1/8"	8'-8"	5	5 1/2"	17'-6"	60	52
14	16	22 3/4"	22 3/4"	11"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	15'-6"	10'-4 3/4"	35'-6"	8	4 1/2"	15'-6"	--	---	-----	-----	7	9 1/2"	19'-6"	60	60

SPAN	HEIGHT	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	2.189	471.266	14'-10"	6	14'-6"	2.572	87.116	2.604	87.116	Y			
12	16	64.600	2.751	557.865	14'-10"	6	14'-6"	2.588	87.116	2.620	87.116	CC			
14	8	59.984	2.540	345.475	16'-10"	6	16'-6"	2.267	99.132	2.308	99.132	N			
14	10	62.808	2.658	403.321	16'-10"	6	16'-6"	2.446	99.132	2.486	99.132	R			
14	12	65.632	2.744	505.676	16'-10"	6	16'-6"	2.607	99.132	2.647	99.132	V			
14	14	68.456	3.011	533.304	16'-10"	6	16'-6"	2.653	99.132	2.692	99.132	Z			
14	16	71.280	3.301	668.433	16'-10"	6	16'-6"	2.638	99.132	2.676	99.132	DD			

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

SPECIFICATION REFERENCE	OVERSIZE BOX CULVERTS		VDOT ROAD AND BRIDGE STANDARDS
	25 TO 30 FT. FILLS		
	VIRGINIA DEPARTMENT OF TRANSPORTATION		
	REVISION DATE	SHEET 1 OF 1	1001.09