

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	22 3/4"	22 3/4"	11 1/4"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	13'-6 1/2"	9'-4 3/4"	31'-8"	8	5"	13'-6"	4	5"	4'-2"	8'-1"	7	10 1/2"	17'-6"	52	52
12	16	22 3/4"	22 3/4"	12 3/4"	11	11'-0"	11	11'-0"	14	14'-0"	6	5"	13'-9 1/2"	10'-4 3/4"	33'-9"	8	5"	13'-9"	3	5"	4'-3 1/2"	8'-5"	6	6 1/2"	19'-6"	52	60
14	8	27 3/4"	27 3/4"	9"	13	13'-0"	13	13'-0"	6	6'-0"	4	4 1/2"	15'-2"	6'-9 3/4"	28'-3"	8	4 1/2"	15'-2"	--	---	-----	-----	4	12"	12'-3"	60	28
14	10	27 3/4"	27 3/4"	8 1/2"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-1"	7'-9 3/4"	30'-2"	8	4 1/2"	15'-1"	--	---	-----	-----	6	9 1/2"	14'-3"	60	36
14	12	27 3/4"	27 3/4"	10"	13	13'-0"	13	13'-0"	10	10'-0"	5	4 1/2"	15'-4"	8'-9 1/2"	32'-3"	8	4 1/2"	15'-4"	--	---	-----	-----	4	4"	16'-3"	60	44
14	14	27 3/4"	27 3/4"	11 1/4"	13	13'-0"	13	13'-0"	12	12'-0"	6	4 1/2"	15'-6 1/2"	9'-9 1/2"	34'-4"	8	4 1/2"	15'-6"	--	---	-----	-----	5	5"	18'-3"	60	52
14	16	27 3/4"	27 3/4"	12 3/4"	13	13'-0"	13	13'-0"	14	14'-0"	5	4 1/2"	15'-9 1/2"	10'-9 3/4"	36'-9"	8	4 1/2"	15'-9"	4	4 1/2"	4'-8 3/8"	9'-2"	7	8 1/2"	20'-3"	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	2.923	519.437	14'-10"	6	14'-6"	2.351	87.116	2.382	87.116	Z										
12	16	64.600	3.238	615.365	14'-10"	6	14'-6"	2.314	87.116	2.344	87.116	DD										
14	8	59.984	3.112	383.593	16'-10"	6	16'-6"	2.063	99.132	2.103	99.132	O										
14	10	62.808	3.175	429.948	16'-10"	6	16'-6"	2.281	99.132	2.321	99.132	S										
14	12	65.632	3.398	579.194	16'-10"	6	16'-6"	2.315	99.132	2.354	99.132	W										
14	14	68.456	3.660	646.752	16'-10"	6	16'-6"	2.333	99.132	2.371	99.132	AA										
14	16	71.280	4.012	673.532	16'-10"	6	16'-6"	2.281	99.132	2.318	99.132	EE										

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

SPECIFICATION REFERENCE	<b>OVERSIZED BOX CULVERTS</b>		<b>VDOT</b> ROAD AND BRIDGE STANDARDS
	35 TO 40 FT. FILLS		
	VIRGINIA DEPARTMENT OF TRANSPORTATION		
	REVISION DATE	SHEET 1 OF 1	1001.11