

DIMENSIONS					REINFORCING STEEL																						
SPAN (FT.)	HEIGHT (FT.)	T1	T2	T3	A	B	C	D	E	F	BH1			BH2			BH3			BV1			NO. BL1 BARS	NO. BL2 BARS			
		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	25 1/4"	25 1/4"	12"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	13'-8"	9'-7 1/4"	32'-3"	8	5"	13'-8"	4	5"	4'-2 3/4"	8'-2"	5	5"	17'-11"	52	52
12	16	25 1/4"	25 1/4"	13 3/4"	11	11'-0"	11	11'-0"	14	14'-0"	6	4 1/2"	13'-11 1/2"	10'-7 1/4"	34'-4"	9	4 1/2"	14'-0"	3	4 1/2"	4'-4 1/2"	8'-7"	7	8 1/2"	19'-11"	52	60
14	8	28 3/4"	28 3/4"	10 1/2"	13	13'-0"	13	13'-0"	6	6'-0"	4	4 1/2"	15'-5"	6'-10 3/4"	28'-8"	8	4 1/2"	15'-5"	--	---	-----	-----	4	12"	12'-5"	60	28
14	10	28 1/2"	28 3/4"	9 3/4"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-3 1/2"	7'-10 1/2"	30'-6"	8	4 1/2"	15'-3"	3	4 1/2"	4'-5 3/8"	8'-8"	6	11 1/2"	14'-5"	60	36
14	12	28 1/2"	28 1/2"	10 1/2"	13	13'-0"	13	13'-0"	10	10'-0"	4	4 1/2"	15'-5"	8'-10 1/2"	32'-8"	8	4 1/2"	15'-5"	4	4 1/2"	4'-6 1/8"	8'-9"	5	6"	16'-5"	60	44
14	14	28 1/2"	28 1/2"	12 1/4"	13	13'-0"	13	13'-0"	12	12'-0"	5	4 1/2"	15'-8 1/2"	9'-10 1/2"	34'-10"	9	4 1/2"	15'-8"	3	4 1/2"	4'-7 7/8"	9'-1"	7	10 1/2"	18'-5"	60	52
14	16	28 1/2"	28 1/2"	13 3/4"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	15'-11 1/2"	10'-10 1/2"	36'-11"	9	4 1/2"	15'-11"	3	4 1/2"	4'-9 3/8"	9'-4"	6	6 1/2"	20'-5"	60	60

SPAN (FT.)	HEIGHT (FT.)	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS							
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	G HEADWALL LENGTH	HW1		INLET CONCRETE CL. A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL. A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL
SIZE	LENGTH	SIZE	LENGTH									
12	14	61.776	3.221	532.966	14'-10"	6	14'-6"	2.205	87.116	2.236	87.116	Z
12	16	64.600	3.572	735.565	14'-10"	6	14'-6"	2.124	87.116	2.153	87.116	DD
14	8	59.984	3.326	388.860	16'-10"	6	16'-6"	1.917	99.132	1.955	99.132	O
14	10	62.808	3.358	459.387	16'-10"	6	16'-6"	2.147	99.132	2.186	99.132	S
14	12	65.632	3.551	523.375	16'-10"	6	16'-6"	2.234	99.132	2.272	99.132	W
14	14	68.456	3.873	659.960	16'-10"	6	16'-6"	2.187	99.132	2.224	99.132	AA
14	16	71.280	4.206	797.650	16'-10"	6	16'-6"	2.129	99.132	2.165	99.132	EE

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

VDOT	
ROAD AND BRIDGE STANDARDS	
SHEET 1 OF 1	REVISION DATE
1001.12	

OVERSIZE BOX CULVERTS

40 TO 45 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION
REFERENCE