

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	11"	11"	8"	11	11'-0"							11	11'-0"	12	12'-0"	5	7"	13'-0"	8'-5"	29'-2"	8	7"	13'-0"			4
12	16	12 ¹ / ₄ "	12 ¹ / ₄ "	8 ¹ / ₄ "	11	11'-0"	11	11'-0"	14	14'-0"	6	6 ¹ / ₂ "	13'-1 ¹ / ₂ "	9'-6 ¹ / ₄ "	31'-3"	8	6 ¹ / ₂ "	13'-0"	4	6 ¹ / ₂ "	3'-11"	7'-7"	5	7 ¹ / ₂ "	17'-9"	52	60
14	8	10 ¹ / ₄ "	10 ¹ / ₄ "	8"	13	13'-0"	13	13'-0"	6	6'-0"	5	6"	15'-0"	5'-4 ¹ / ₄ "	25'-1"	7	6"	15'-0"	--	--	-----	-----	4	7 ¹ / ₂ "	9'-5"	60	28
14	10	10 ¹ / ₄ "	10 ¹ / ₄ "	8"	13	13'-0"	13	13'-0"	8	8'-0"	6	7"	15'-0"	6'-4 ¹ / ₄ "	26'-11"	8	7"	15'-0"	--	--	-----	-----	4	7 ¹ / ₂ "	11'-5"	60	36
14	12	10 ¹ / ₂ "	10 ¹ / ₂ "	8"	13	13'-0"	13	13'-0"	10	10'-0"	5	5 ¹ / ₂ "	15'-0"	7'-4 ¹ / ₂ "	29'-1"	7	5 ¹ / ₂ "	15'-0"	--	--	-----	-----	4	12"	13'-5"	60	44
14	14	11 ¹ / ₂ "	11 ¹ / ₂ "	8"	13	13'-0"	13	13'-0"	12	12'-0"	5	6 ¹ / ₂ "	15'-0"	8'-5 ¹ / ₂ "	31'-3"	8	6 ¹ / ₂ "	15'-0"	3	6 ¹ / ₂ "	4'-3 ⁵ / ₈ "	8'-5"	4	12"	15'-7"	60	52
14	16	12 ¹ / ₂ "	12 ¹ / ₂ "	8 ¹ / ₂ "	13	13'-0"	13	13'-0"	14	14'-0"	6	6"	15'-1"	9'-6 ¹ / ₂ "	33'-4"	8	6"	15'-1"	--	--	-----	-----	4	6"	17'-9"	60	60

SPAN		HEIGHT		QUAN./LF			HEADWALLS						
(FT.)	(FT.)	REINFORCING STEEL (LBS./LONG. JT)	CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS./LF)	G HEADWALL LENGTH	HW1 SIZE	LENGTH	INLET CONCRETE CL. A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL. A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL	
12	14	61.776	1.613	341.183	14'-10"	6	14'-6"	2.922	87.116	2.956	87.116	X	
12	16	64.600	1.833	455.414	14'-10"	6	14'-6"	3.053	87.116	3.086	87.116	BB	
14	8	59.984	1.384	298.025	16'-10"	6	16'-6"	2.570	99.132	2.611	99.132	L	
14	10	62.808	1.479	353.948	16'-10"	6	16'-6"	2.756	99.132	2.796	99.132	P	
14	12	65.632	1.602	340.704	16'-10"	6	16'-6"	2.934	99.132	2.975	99.132	T	
14	14	68.456	1.793	372.044	16'-10"	6	16'-6"	3.092	99.132	3.132	99.132	X	
14	16	71.280	2.035	471.425	16'-10"	6	16'-6"	3.194	99.132	3.234	99.132	BB	

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



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

1001.04

OVERSIZE BOX CULVERTS

2 TO 5 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE