

DIMENSIONS										REINFORCING STEEL																	
SPAN	HGHT	T1	T2	T3							BH1			BH2			BH3			BV1			NO. BL1 BARS	NO. BL2 BARS			
(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
12	14	27 1/2"	27 1/2"	12 3/4"	11	11'-0"	11	11'-0"	12	12'-0"	5	5"	13'-9 1/2"	9'-9 1/2"	32'-9"	8	5"	13'-9"	4	5"	4'-3 1/2"	8'-4"	8	12"	18'-3"	52	52
12	16	27 3/4"	27 3/4"	14 1/2"	11	11'-0"	11	11'-0"	14	14'-0"	6	4 1/2"	14'-1"	10'-9 3/4"	34'-11"	9	4 1/2"	14'-1"	3	4 1/2"	4'-5 1/4"	8'-8"	7	8"	20'-3"	52	60
14	8	31 1/2"	31 1/2"	11 3/4"	13	13'-0"	13	13'-0"	6	6'-0"	4	4 1/2"	15'-7 1/2"	7'-1 1/2"	29'-4"	9	4 1/2"	15'-7"	--	---	-----	-----	4	12"	12'-11"	60	28
14	10	31 1/2"	31 1/2"	10 3/4"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-5 1/2"	8'-1 1/2"	31'-2"	9	4 1/2"	15'-6"	--	---	-----	-----	5	7 1/2"	14'-11"	60	36
14	12	31 1/4"	31 1/4"	11 1/4"	13	13'-0"	13	13'-0"	10	10'-0"	4	4 1/2"	15'-6 1/2"	9'-1 1/4"	33'-3"	9	4 1/2"	15'-6"	4	4 1/2"	4'-6 1/8"	8'-11"	6	8"	16'-11"	60	44
14	14	31 1/4"	31 1/4"	13"	13	13'-0"	13	13'-0"	12	12'-0"	5	4 1/2"	15'-10"	10'-1 1/4"	35'-5"	9	4 1/2"	15'-10"	3	4 1/2"	4'-8 5/8"	9'-3"	5	7"	18'-11"	60	52
14	16	31 1/4"	31 1/4"	14 1/2"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	16'-1"	11'-1 1/4"	37'-6"	9	4 1/2"	16'-1"	4	4 1/2"	4'-10 1/8"	9'-6"	5	6"	20'-11"	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	3.500	545.363	14'-10"	6	14'-6"	2.080	87.116	2.110	87.116	AA				
12	16	64.600	3.886	751.312	14'-10"	6	14'-6"	1.979	87.116	2.008	87.116	EE				
14	8	59.984	3.691	454.947	16'-10"	6	16'-6"	1.732	99.132	1.770	99.132	O				
14	10	62.808	3.738	495.505	16'-10"	6	16'-6"	1.965	99.132	2.003	99.132	S				
14	12	65.632	3.897	535.563	16'-10"	6	16'-6"	2.071	99.132	2.109	99.132	W				
14	14	68.456	4.232	678.268	16'-10"	6	16'-6"	2.010	99.132	2.047	99.132	AA				
14	16	71.280	4.579	818.453	16'-10"	6	16'-6"	1.939	99.132	1.974	99.132	EE				

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

SPECIFICATION REFERENCE

OVERSIZE BOX CULVERTS

45 TO 50 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

VDOT	
ROAD AND BRIDGE STANDARDS	
REVISION DATE	SHEET 1 OF 1
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