

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	21 3/4"	21 3/4"	10 1/2"	11	11'-0"							11	11'-0"	12	12'-0"	5	5 1/2"	13'-5"	9'-3 3/4"	31'-5"	8	5 1/2"	13'-5"			4
12	16	21 3/4"	21 3/4"	12"	11	11'-0"	11	11'-0"	14	14'-0"	6	5"	13'-8"	10'-3 3/4"	33'-6"	8	5"	13'-8"	3	5"	4'-2 3/4"	8'-3"	8	12"	19'-3"	52	60
14	8	24 3/4"	24 3/4"	8 1/4"	13	13'-0"	13	13'-0"	6	6'-0"	4	5"	15'-1/2"	6'-6 3/4"	27'-8"	8	5"	15'-0"	--	--	-----	-----	4	12"	11'-9"	60	28
14	10	24 3/4"	24 3/4"	8"	13	13'-0"	13	13'-0"	8	8'-0"	4	4 1/2"	15'-0"	7'-6 3/4"	29'-7"	8	4 1/2"	15'-0"	--	--	-----	-----	6	11 1/2"	13'-9"	60	36
14	12	24 3/4"	24 3/4"	9 1/4"	13	13'-0"	13	13'-0"	10	10'-0"	5	4 1/2"	15'-2 1/2"	8'-8 3/4"	31'-8"	8	4 1/2"	15'-3"	--	--	-----	-----	6	9 1/2"	15'-9"	60	44
14	14	24 1/2"	24 1/2"	10 1/2"	13	13'-0"	13	13'-0"	12	12'-0"	6	4 1/2"	15'-5"	9'-6 1/2"	33'-8"	8	4 1/2"	15'-5"	--	--	-----	-----	6	8"	17'-9"	60	52
14	16	24 1/2"	21 1/2"	12"	13	13'-0"	13	13'-0"	14	14'-0"	5	4 1/2"	15'-6"	10'-6 1/2"	36'-1"	8	4 1/2"	15'-8"	4	4 1/2"	4'-7 5/8"	9'-0"	6	7"	19'-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	2.759	480.335	14'-10"	6	14'-6"	2.457	87.116	2.489	87.116	Z	
12	16	64.600	3.061	606.544	14'-10"	6	14'-6"	2.431	87.116	2.462	87.116	DD	
14	8	59.984	2.772	347.256	16'-10"	6	16'-6"	2.186	99.132	2.227	99.132	N	
14	10	62.808	2.847	415.712	16'-10"	6	16'-6"	2.390	99.132	2.431	99.132	R	
14	12	65.632	3.063	509.699	16'-10"	6	16'-6"	2.452	99.132	2.492	99.132	V	
14	14	68.456	3.283	628.839	16'-10"	6	16'-6"	2.491	99.132	2.529	99.132	Z	
14	16	71.280	3.597	652.288	16'-10"	6	16'-6"	2.461	99.132	2.498	99.132	DD	

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

**VDOT**  
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1      REVISION DATE

1001.10

## OVERSIZE BOX CULVERTS

### 30 TO 35 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE