

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

DIMENSIONS						REINFORCING STEEL																					
SPAN	HGHT	T1	T2	T3	A	B	C	D	E	F	BH1				BH2			BH3			BV1			NO. BL1 #4 BARS	NO. BL2 #3 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	7"	4'-6 1/2"	8'-10"	6	8 1/2"	15'-6"	52	52
12	16	12 1/4"	12 1/4"	8 1/2"	11	11'-0"	11	11'-0"	14	14'-0"	6	6 1/2"	13'-1"	9'-10"	31'-11"	8	6 1/2"	13'-0"	4	6 1/2"	5'-1"	9'-11"	6	6"	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"	--	--	--	--	5	10"	13'-5"	60	44
14	14	11 1/2"	11 1/2"	8 1/2"	13	13'-0"	13	13'-0"	12	12'-0"	5	6 1/2"	15'-1"	8'-5 1/2"	31'-3"	8	6 1/2"	15'-0"	3	6 1/2"	4'-7"	8'-11"	6	10"	15'-7"	60	52
14	16	12 1/2"	12 1/2"	8 3/4"	13	13'-0"	13	13'-0"	14	14'-0"	6	6"	15'-1"	9'-10"	34'-0"	8	6"	15'-1"	--	--	--	--	6	6"	17'-9"	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	1.610	386.454	14'-10"	6	14'-6"	2.922	87.116	2.956	87.116	X										
12	16	64.600	1.856	521.464	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	360.712	16'-10"	6	16'-6"	2.934	99.132	2.975	99.132	T										
14	14	68.456	1.839	412.213	16'-10"	6	16'-6"	3.092	99.132	3.132	99.132	X										
14	16	71.280	2.058	537.499	16'-10"	6	16'-6"	3.194	99.132	3.234	99.132	BB										

A COPY OF THE ORIGINAL SEALED AND SIGNED DRAWING IS ON FILE IN THE CENTRAL OFFICE.



ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1

REVISION DATE

1001.04

07/11

# OVERSIZE BOX CULVERTS

## 2 TO 5 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE