

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

BCB-30

DIMENSIONS						REINFORCING STEEL																								
SPAN (FT.)	HGHT (FT.)	T1 TOP SLAB (IN.)	T2 BOTTOM SLAB (IN.)	T3 WALL (IN.)	A	B	C	D	E	F	BH1				BH2			BH3			BV1			NO. BL1 #4 BARS	NO. BL2 #3 BARS					
											SIZE	SPACING c-c	a	b	LENGTH	SIZE	SPACING c-c	LENGTH	SIZE	SPACING c-c	a	LENGTH	SIZE	SPACING c-c	LENGTH	SIZE	SPACING c-c	LENGTH		
12	14	19 1/2"	19 1/2"	12 1/2"	11	11'-0"	11	11'-0"	12	12'-0"	5	5 1/2"	13'-9"	9'-4"	31'-9"	8	5 1/2"	13'-9"	4	5 1/2"	5'-4"	10'-4"	7	8"	16'-11"	52	52			
12	16	19 1/2"	19 1/2"	15"	11	11'-0"	11	11'-0"	14	14'-0"	6	5 1/2"	14'-2"	10'-6"	34'-4"	8	5 1/2"	14'-1"	3	5 1/2"	5'-8"	11'-2"	8	10"	18'-11"	52	60			
14	8	22 1/2"	22 1/2"	8"	13	13'-0"	13	13'-0"	6	6'-0"	4	5"	15'-0"	6'-5"	27'-3"	8	5"	15'-0"	--	---	-----	-----	5	12"	11'-4"	60	28			
14	10	22 3/4"	22 3/4"	8"	13	13'-0"	13	13'-0"	8	8'-0"	4	5"	15'-0"	7'-5"	29'-4"	8	5"	15'-0"	3	5"	4'-9"	9'-4"	5	6 1/2"	13'-5"	60	36			
14	12	22 3/4"	22 3/4"	10 1/2"	13	13'-0"	13	13'-0"	10	10'-0"	5	4 1/2"	15'-5"	8'-7"	31'-11"	8	4 1/2"	15'-4"	--	---	-----	-----	6	9"	15'-5"	60	44			
14	14	22 3/4"	22 3/4"	12 1/2"	13	13'-0"	13	13'-0"	12	12'-0"	5	5"	15'-9"	9'-7"	34'-3"	8	5"	15'-8"	3	5"	5'-7"	10'-11"	5	5"	17'-5"	60	52			
14	16	22 3/4"	22 3/4"	15"	13	13'-0"	13	13'-0"	14	14'-0"	6	4 1/2"	16'-2"	10'-9"	36'-10"	8	4 1/2"	16'-2"	--	---	-----	-----	7	9"	19'-5"	60	60			

SPAN (FT.)	HGHT (FT.)	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS								
			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	2.776	529.473	14'-10"	6	14'-6"	2.572	87.116	2.604	87.116	Y	
12	16	64.600	3.221	612.127	14'-10"	6	14'-6"	2.588	87.116	2.620	87.116	CC	
14	8	59.984	2.538	362.624	16'-10"	6	16'-6"	2.267	99.132	2.308	99.132	N	
14	10	62.808	2.655	433.615	16'-10"	6	16'-6"	2.446	99.132	2.486	99.132	R	
14	12	65.632	2.991	524.087	16'-10"	6	16'-6"	2.607	99.132	2.647	99.132	V	
14	14	68.456	3.337	568.048	16'-10"	6	16'-6"	2.653	99.132	2.692	99.132	Z	
14	16	71.280	3.786	702.626	16'-10"	6	16'-6"	2.638	99.132	2.676	99.132	DD	

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

SPECIFICATION
REFERENCE

OVERSIZE BOX CULVERTS

20 TO 30 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION



ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 1 OF 1

07/11

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