DIMENSIONS						REINFORCING STEEL																												
SPAN	HGHT	T1	T2	T3	T4							BH1			BH2			BH3				BH4					BV1			BV2		
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)	A	B	C	D	E	F	SIZE	SPACING c-c	LENGTH	SIZE	SPACING c-c	LENGTH	SIZE	SPACING c-c	a	LENGTH	SIZE	SPACING c-c	a	b	LENGTH	SIZE	SPACING c-c	LENGTH	SIZE	SPACING c-c	LENGTH
3	3	8"	8"	8"	8"	9	9'- 0"	9	9'- 0"	1	1'- 0"	4	12"	11'- 2"	4	12"	11'- 4"	--	---	-----	-----	4	12"	2'- 1¼"	2'- 8"	4'- 6"	4	12"	4'- 0"	4	12"	4'- 0"
3	4	8"	8"	8"	8"	9	9'- 0"	9	9'- 0"	2	2'- 0"	4	12"	11'- 2"	4	12"	11'- 4"	--	---	-----	-----	4	12"	2'- 1¼"	3'- 2"	5'- 0"	4	12"	5'- 0"	4	12"	5'- 0"
4	3	8"	8"	8"	8"	12	12'- 0"	12	12'- 0"	1	1'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	--	---	-----	-----	4	12"	2'- 3⅝"	2'- 8"	4'- 8"	4	12"	4'- 0"	4	12"	4'- 0"
4	4	8"	8"	8"	8"	12	12'- 0"	12	12'- 0"	2	2'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	--	---	-----	-----	4	12"	2'- 3⅝"	3'- 2"	5'- 2"	4	12"	5'- 0"	4	12"	5'- 0"
4	5	8"	8"	8"	8"	12	12'- 0"	12	12'- 0"	3	3'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	--	---	-----	-----	4	12"	2'- 3⅝"	3'- 8"	5'- 8"	4	12"	6'- 0"	4	12"	6'- 0"
4	6	8"	8"	8"	8"	12	12'- 0"	12	12'- 0"	4	4'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	--	---	-----	-----	4	12"	2'- 3⅝"	4'- 2"	6'- 2"	4	12"	7'- 0"	4	12"	7'- 0"
5	3	8"	8"	8"	8"	15	15'- 0"	15	15'- 0"	1	1'- 0"	4	12"	16'- 4"	4	12"	17'- 4"	4	12"	2'- 6"	4'- 9"	4	12"	2'- 6"	2'- 8"	4'-11"	4	12"	4'- 0"	4	12"	4'- 0"
5	4	8"	8"	8"	8"	15	15'- 0"	15	15'- 0"	2	2'- 0"	4	12"	16'- 4"	4	12"	17'- 4"	4	12"	2'- 6"	4'- 9"	4	12"	2'- 6"	3'- 2"	5'- 5"	4	12"	5'- 0"	4	12"	5'- 0"
5	5	8"	8"	8"	8"	15	15'- 0"	15	15'- 0"	3	3'- 0"	4	12"	16'- 4"	4	12"	17'- 4"	3	12"	2'- 6"	4'-10"	4	12"	2'- 6"	3'- 8"	5'-11"	4	12"	6'- 0"	4	12"	6'- 0"
5	6	8"	8"	8"	8"	15	15'- 0"	15	15'- 0"	4	4'- 0"	4	12"	16'- 4"	4	12"	17'- 4"	3	12"	2'- 6"	4'-10"	4	12"	2'- 6"	4'- 2"	6'- 5"	4	12"	7'- 0"	4	12"	7'- 0"
5	7	8"	8"	8"	8"	15	15'- 0"	15	15'- 0"	5	5'- 0"	4	12"	16'- 4"	4	12"	17'- 4"	4	12"	2'- 6"	4'- 9"	4	12"	2'- 6"	4'- 8"	6'-11"	4	12"	8'- 0"	4	12"	8'- 0"
6	4	9"	9"	8"	8"	18	18'- 0"	18	18'- 0"	2	2'- 0"	4	12"	18'-11"	4	12"	20'- 4"	4	12"	2'- 8⅜"	5'- 2"	4	12"	2'- 8⅜"	3'- 3"	5'- 8"	4	12"	5'- 2"	4	12"	5'- 2"
6	5	9"	9"	8"	8"	18	18'- 0"	18	18'- 0"	3	3'- 0"	4	11"	18'-11"	4	11"	20'- 4"	4	11"	2'- 8⅜"	5'- 2"	4	11"	2'- 8⅜"	3'- 9"	6'- 2"	4	12"	6'- 2"	4	12"	6'- 2"
6	6	9¼"	9¼"	8"	8"	18	18'- 0"	18	18'- 0"	4	4'- 0"	4	11"	18'-11"	4	11"	20'- 4"	4	11"	2'- 8⅜"	5'- 2"	4	11"	2'- 8⅜"	4'- 3¼"	6'- 8"	4	12"	7'- 2"	4	12"	7'- 2"
6	7	9¼"	9¼"	8"	8"	18	18'- 0"	18	18'- 0"	5	5'- 0"	4	11"	18'-11"	4	11"	20'- 4"	4	11"	2'- 8⅜"	5'- 2"	4	11"	2'- 8⅜"	4'- 9¼"	7'- 2"	4	12"	8'- 2"	4	12"	8'- 2"
6	8	9¼"	9¼"	8"	8"	18	18'- 0"	18	18'- 0"	6	6'- 0"	4	11"	18'-11"	4	11"	20'- 4"	4	11"	2'- 8⅜"	5'- 2"	4	11"	2'- 8⅜"	5'- 3¼"	7'- 8"	4	12"	9'- 2"	4	12"	9'- 2"
7	4	10½"	10½"	8"	8"	21	21'- 0"	21	21'- 0"	2	2'- 0"	4	10"	21'- 6"	4	10"	23'- 4"	3	10"	2'-10¾"	5'- 7"	4	10"	2'-10¾"	3'- 4½"	6'- 0"	4	12"	5'- 5"	4	12"	5'- 5"
7	6	10¾"	10¾"	8"	8"	21	21'- 0"	21	21'- 0"	4	4'- 0"	4	10"	21'- 6"	4	10"	23'- 4"	3	10"	2'-10¾"	5'- 7"	4	10"	2'-10¾"	4'- 4¾"	7'- 0"	4	12"	7'- 5"	4	12"	7'- 5"
7	8	11"	11"	8"	8"	21	21'- 0"	21	21'- 0"	6	6'- 0"	4	9"	21'- 6"	4	9"	23'- 4"	3	9"	2'-10¾"	5'- 7"	4	9"	2'-10¾"	5'- 5"	8'- 1"	4	12"	9'- 6"	4	12"	9'- 6"
7	10	11"	11"	8"	8"	21	21'- 0"	21	21'- 0"	8	8'- 0"	4	9"	21'- 6"	4	9"	23'- 4"	--	---	-----	-----	5	9"	2'-10¾"	6'- 5"	9'- 0"	4	7"	11'- 6"	4	12"	11'- 6"
8	4	11¾"	11¾"	8"	8"	24	24'- 0"	24	24'- 0"	2	2'- 0"	4	9"	24'- 2"	5	9"	26'- 4"	3	9"	3'- 1¼"	6'- 0"	4	9"	3'- 1¼"	3'- 5¾"	6'- 4"	4	11"	5'- 8"	4	12"	5'- 8"
8	6	12"	12"	8"	8"	24	24'- 0"	24	24'- 0"	4	4'- 0"	4	9"	24'- 2"	5	9"	26'- 4"	3	9"	3'- 1¼"	6'- 0"	4	9"	3'- 1¼"	4'- 6"	7'- 4"	4	12"	7'- 8"	4	12"	7'- 8"
8	8	12¼"	12¼"	8"	8"	24	24'- 0"	24	24'- 0"	6	6'- 0"	4	9"	24'- 2"	5	9"	26'- 4"	3	9"	3'- 1¼"	6'- 0"	4	9"	3'- 1¼"	5'- 6¼"	8'- 4"	4	12"	9'- 9"	4	12"	9'- 9"
8	10	12½"	12½"	8"	8"	24	24'- 0"	24	24'- 0"	8	8'- 0"	4	9"	24'- 2"	5	9"	26'- 4"	3	9"	3'- 1¼"	6'- 0"	5	9"	3'- 1¼"	6'- 6½"	9'- 4"	4	7"	11'- 9"	4	12"	11'- 9"
9	4	13"	13"	8"	8"	27	27'- 0"	27	27'- 0"	2	2'- 0"	5	9"	26'- 9"	5	9"	29'- 4"	3	9"	3'- 3⅝"	6'- 5"	4	9"	3'- 3⅝"	3'- 7"	6'- 7"	4	10"	5'-10"	4	12"	5'-10"
9	6	13"	13"	8"	8"	27	27'- 0"	27	27'- 0"	4	4'- 0"	5	9"	26'- 9"	5	9"	29'- 4"	3	9"	3'- 3⅝"	6'- 5"	4	9"	3'- 3⅝"	4'- 7"	7'- 7"	4	12"	7'-10"	4	12"	7'-10"
9	8	13¼"	13¼"	8"	8"	27	27'- 0"	27	27'- 0"	6	6'- 0"	5	9"	26'- 9"	5	9"	29'- 4"	3	9"	3'- 3⅝"	6'- 5"	4	9"	3'- 3⅝"	5'- 7¼"	8'- 8"	4	12"	9'-10"	4	12"	9'-10"
9	10	13¼"	13¼"	8"	8"	27	27'- 0"	27	27'- 0"	8	8'- 0"	5	9"	26'- 9"	5	9"	29'- 4"	3	9"	3'- 3⅝"	6'- 5"	5	9"	3'- 3⅝"	6'- 7¼"	9'- 7"	4	8½"	11'-10"	4	12"	11'-10"
9	12	13½"	13½"	8"	8"	27	27'- 0"	27	27'- 0"	10	10'- 0"	5	8"	26'- 9"	5	8"	29'- 4"	4	8"	3'- 3⅝"	6'- 4"	5	8"	3'- 3⅝"	7'- 7½"	10'- 7"	5	7½"	13'-11"	4	12"	13'-11"
10	4	14¼"	14¼"	8"	8"	30	30'- 0"	30	30'- 0"	2	2'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	--	---	-----	-----	5	9"	3'- 6"	3'- 8¼"	6'-10"	4	10"	6'- 0"	4	12"	6'- 0"
10	6	14½"	14½"	8"	8"	30	30'- 0"	30	30'- 0"	4	4'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	3	9"	3'- 6"	6'-10"	4	9"	3'- 6"	4'- 8½"	7'-11"	4	12"	8'- 1"	4	12"	8'- 1"
10	8	14½"	14½"	8"	8"	30	30'- 0"	30	30'- 0"	6	6'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	--	---	-----	-----	5	9"	3'- 6"	5'- 8½"	8'-11"	4	12"	10'- 1"	4	12"	10'- 1"
10	10	14½"	14½"	8"	8"	30	30'- 0"	30	30'- 0"	8	8'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	3	9"	3'- 6"	6'-10"	5	9"	3'- 6"	6'- 8½"	9'-11"	4	9"	12'- 1"	4	12"	12'- 1"
10	12	14¾"	14¾"	8"	8"	30	30'- 0"	30	30'- 0"	10	10'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	3	9"	3'- 6"	6'-10"	6	9"	3'- 6"	7'- 8¾"	10'-10"	5	7½"	14'- 1"	4	12"	14'- 1"
12	6	17"	17"	8"	8"	36	36'- 0"	36	36'- 0"	4	4'- 0"	6	9"	34'- 6"	6	9"	38'- 4"	3	9"	3'-10¾"	7'- 7"	4	9"	3'-10¾"	4'-11"	8'- 7"	4	12"	8'- 6"	4	12"	8'- 6"
12	8	17"	17"	8"	8"	36	36'- 0"	36	36'- 0"	6	6'- 0"	6	9"	34'- 6"	6	9"	38'- 4"	3	9"	3'-10¾"	7'- 7"	4	9"	3'-10¾"	5'-11"	9'- 7"	4	12"	10'- 6"	4	12"	10'- 6"
12	10	17¼"	17¼"	8"	8"	36	36'- 0"	36	36'- 0"	8	8'- 0"	6	9"	34'- 6"	6	9"	38'- 4"	3	9"	3'-10¾"	7'- 7"	5	9"	3'-10¾"	6'-11¼"	10'- 6"	4	9"	12'- 6"	4	12"	12'- 6"
12	12	17¼"	17¼"	8"	8"	36	36'- 0"	36	36'- 0"	10	10'- 0"	6	9"	34'- 6"	6	9"	38'- 4"	3	9"	3'-10¾"	7'- 7"	6	9"	3'-10¾"	7'-11¼"	11'- 5"	4	5"	14'- 6"	4	12"	14'- 6"

Sheet 1 of 2

For Typical Section, notes and other details, refer to standard BCT-DT.

TRIPLE BOX CULVERTS

15 TO 20 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE AND BRIDGE DIVISION