

DIMENSIONS										REINFORCING STEEL																						
SPAN	HGHT	T1	T2	T3	T4	A	B	C	D	E	F	BH1			BH2			BH3			BH4			BV1			BV2					
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)							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 1/4"	8 1/4"	8"	8"	9	9'-0"	9	9'-0"	1	1'-0"	4	12"	11'-2"	4	12"	11'-4"	4	12"	2'-1 1/4"	3'-11"	4	12"	2'-1 1/4"	2'-8 1/4"	4'-6"	4	12"	4'-0"	4	12"	4'-0"
3	4	8 1/4"	8 1/4"	8"	8"	9	9'-0"	9	9'-0"	2	2'-0"	4	12"	11'-2"	4	12"	11'-4"	4	12"	2'-1 1/4"	3'-11"	4	12"	2'-1 1/4"	3'-2 1/4"	5'-0"	4	12"	5'-0"	4	12"	5'-0"
4	3	10 1/2"	10 1/2"	8"	8"	12	12'-0"	12	12'-0"	1	1'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	--	--	4	12"	2'-3 5/8"	2'-10 1/2"	4'-11"	4	12"	4'-5"	4	12"	4'-5"
4	4	10 1/2"	10 1/2"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	--	--	4	12"	2'-3 5/8"	3'-4 1/2"	5'-5"	4	12"	5'-5"	4	12"	5'-5"
4	5	10 3/4"	10 3/4"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	4	12"	13'-9"	4	12"	14'-4"	--	--	--	--	4	12"	2'-3 5/8"	3'-10 3/4"	5'-11"	4	12"	6'-5"	4	12"	6'-5"
4	6	10 3/4"	10 3/4"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	4	12"	13'-9"	4	12"	14'-4"	4	12"	2'-3 5/8"	4'-4"	4	12"	2'-3 5/8"	4'-4 3/4"	6'-5"	4	11"	7'-5"	4	12"	7'-5"
5	3	12 1/2"	12 1/2"	8"	8"	15	15'-0"	15	15'-0"	1	1'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	--	--	4	10"	2'-6"	3'-1 1/2"	5'-3"	4	12"	4'-9"	4	12"	4'-9"
5	4	12 1/2"	12 1/2"	8"	8"	15	15'-0"	15	15'-0"	2	2'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	--	--	4	10"	2'-6"	3'-6 1/2"	5'-9"	4	12"	5'-9"	4	12"	5'-9"
5	5	12 1/2"	12 1/2"	8"	8"	15	15'-0"	15	15'-0"	3	3'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	--	--	4	10"	2'-6"	4'-1 1/2"	6'-3"	4	12"	6'-9"	4	12"	6'-9"
5	6	12 1/2"	12 1/2"	8"	8"	15	15'-0"	15	15'-0"	4	4'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	--	--	4	10"	2'-6"	4'-6 1/2"	6'-9"	4	12"	7'-9"	4	12"	7'-9"
5	7	12 1/2"	12 1/2"	8"	8"	15	15'-0"	15	15'-0"	5	5'-0"	4	10"	16'-4"	4	10"	17'-4"	--	--	--	--	5	10"	2'-6"	5'-1 1/2"	7'-3"	4	7 1/2"	8'-9"	4	12"	8'-9"
6	4	14 3/4"	14 3/4"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	--	--	4	9"	2'-8 3/8"	3'-8 3/4"	6'-2"	4	12"	6'-1"	4	12"	6'-1"
6	5	14 3/4"	14 3/4"	8"	8"	18	18'-0"	18	18'-0"	3	3'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	--	--	4	9"	2'-8 3/8"	4'-2 3/4"	6'-8"	4	12"	7'-1"	4	12"	7'-1"
6	6	14 3/4"	14 3/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	--	--	4	9"	2'-8 3/8"	4'-8 3/4"	7'-2"	4	12"	8'-1"	4	12"	8'-1"
6	7	14 3/4"	14 3/4"	8"	8"	18	18'-0"	18	18'-0"	5	5'-0"	4	9"	18'-11"	5	9"	20'-4"	3	9"	2'-8 3/8"	5'-2"	4	9"	2'-8 3/8"	5'-2 3/4"	7'-8"	4	7 1/2"	9'-1"	4	12"	9'-1"
6	8	14 3/4"	14 3/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	4	9"	18'-11"	5	9"	20'-4"	--	--	--	--	5	9"	2'-8 3/8"	5'-8 3/4"	8'-1"	4	5 1/2"	10'-1"	4	12"	10'-1"
7	4	17 1/4"	17 1/4"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	4	9"	21'-6"	5	9"	23'-4"	--	--	--	--	4	9"	2'-10 3/4"	3'-11 1/4"	6'-7"	4	12"	6'-6"	4	10 1/2"	6'-6"
7	6	17 1/4"	17 1/4"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	5	9"	21'-6"	5	9"	23'-4"	--	--	--	--	4	9"	2'-10 3/4"	4'-11 1/4"	7'-7"	4	11 1/2"	8'-6"	4	11"	8'-6"
7	8	17 1/4"	17 1/4"	8"	8"	21	21'-0"	21	21'-0"	6	6'-0"	5	9"	21'-6"	5	9"	23'-4"	4	9"	2'-10 3/4"	5'-6"	4	9"	2'-10 3/4"	5'-11 1/4"	8'-7"	4	5 1/2"	10'-6"	4	11"	10'-6"
7	10	17 1/4"	17 1/4"	9"	8"	21	21'-0"	21	21'-0"	8	8'-0"	5	9"	21'-6"	5	9"	23'-6"	3	9"	2'-11 3/4"	5'-9"	5	9"	2'-11 3/4"	6'-11 1/4"	9'-7"	4	4"	12'-6"	4	11"	12'-6"
8	4	19 1/4"	19 1/4"	8"	8"	24	24'-0"	24	24'-0"	2	2'-0"	5	8"	24'-2"	5	8"	26'-4"	--	--	--	--	4	8"	3'-1 1/4"	4'-1 1/4"	6'-11"	4	12"	6'-10"	4	10"	6'-10"
8	6	19 1/4"	19 1/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	4	8"	24'-2"	5	8"	26'-4"	--	--	--	--	4	8"	3'-1 1/4"	5'-1 1/4"	7'-11"	4	11"	8'-10"	4	10"	8'-10"
8	8	19"	19"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	4	8"	24'-2"	5	8"	26'-4"	3	8"	3'-1 1/4"	6'-0"	4	8"	3'-1 1/4"	6'-1"	8'-11"	4	5 1/2"	10'-10"	4	10"	10'-10"
8	10	19 1/4"	19 1/4"	9"	8"	24	24'-0"	24	24'-0"	8	8'-0"	5	8"	24'-2"	5	8"	26'-6"	3	8"	3'-2 1/4"	6'-2"	5	8"	3'-2 1/4"	7'-1 1/4"	10'-0"	4	4"	12'-10"	4	10"	12'-10"
9	4	21 1/4"	21 1/4"	8"	8"	27	27'-0"	27	27'-0"	2	2'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	--	--	4	9"	3'-3 5/8"	4'-3 1/4"	7'-4"	4	12"	7'-3"	4	10"	7'-3"
9	6	21 1/4"	21 1/4"	8"	8"	27	27'-0"	27	27'-0"	4	4'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	--	--	4	9"	3'-3 5/8"	5'-3 1/4"	8'-4"	4	11"	9'-3"	4	10"	9'-3"
9	8	21 1/4"	21 1/4"	8"	8"	27	27'-0"	27	27'-0"	6	6'-0"	6	9"	26'-9"	6	9"	29'-4"	--	--	--	--	5	9"	3'-3 5/8"	6'-3 1/4"	9'-3"	6	11 1/2"	11'-3"	4	10"	11'-3"
9	10	21 1/4"	21 1/4"	9"	8"	27	27'-0"	27	27'-0"	8	8'-0"	6	9"	26'-9"	6	9"	29'-6"	--	--	--	--	6	9"	3'-4 5/8"	7'-3 1/4"	10'-3"	5	6"	13'-3"	4	10"	13'-3"
9	12	21 1/2"	21 1/2"	10 1/2"	8"	27	27'-0"	27	27'-0"	10	10'-0"	6	9"	26'-9"	6	9"	29'-9"	--	--	--	--	7	9"	3'-6 1/8"	8'-3 1/2"	11'-4"	7	10"	15'-3"	4	10"	15'-3"
10	4	23 1/4"	23 1/4"	8"	8"	30	30'-0"	30	30'-0"	2	2'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	--	--	4	9"	3'-6"	4'-5 1/4"	7'-8"	4	12"	7'-6"	4	10"	7'-6"
10	8	23 1/4"	23 1/4"	8"	8"	30	30'-0"	30	30'-0"	4	4'-0"	6	9"	29'-4"	6	9"	32'-4"	--	--	--	--	4	9"	3'-6"	5'-5 1/4"	8'-8"	4	10 1/2"	9'-6"	4	10"	9'-6"
10	8	23 1/4"	23 1/4"	8"	8"	30	30'-0"	30	30'-0"	6	6'-0"	6	9"	29'-4"	6	9"	32'-4"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	6'-5 1/4"	9'-8"	6	11 1/2"	11'-6"	4	10"	11'-6"
10	10	23 1/4"	23 1/4"	9"	8"	30	30'-0"	30	30'-0"	8	8'-0"	6	9"	29'-4"	6	9"	32'-6"	3	9"	3'-7"	7'-0"	5	9"	3'-7"	7'-5 1/4"	10'-8"	5	6"	13'-6"	4	10"	13'-6"
10	12	23 1/2"	23 1/2"	10 1/2"	8"	30	30'-0"	30	30'-0"	10	10'-0"	6	9"	29'-4"	6	9"	32'-9"	3	9"	3'-8 1/2"	7'-3"	6	9"	3'-8 1/2"	8'-5 1/2"	11'-9"	5	5"	15'-7"	4	10"	15'-7"
12	6	27 1/2"	27 1/2"	8"	8"	36	36'-0"	36	36'-0"	4	4'-0"	7	8"	34'-6"	6	8"	38'-4"	--	--	--	--	4	8"	3'-10 3/4"	5'-9 1/2"	9'-5"	4	9"	10'-3"	4	8 1/2"	10'-3"
12	8	27 1/2"	27 1/2"	8"	8"	36	36'-0"	36	36'-0"	6	6'-0"	7	8"	34'-6"	6	8"	38'-4"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	6'-9 1/2"	10'-5"	5	7 1/2"	12'-3"	4	8 1/2"	12'-3"
12	10	27 1/2"	27 1/2"	9 1/4"	8"	36	36'-0"	36	36'-0"	8	8'-0"	6	8"	34'-6"	6	8"	38'-6"	3	8"	4'-0"	7'-10"	5	8"	4'-0"	7'-9 1/2"	11'-6"	5	6"	14'-3"	4	8 1/2"	14'-3"
12	12	27 1/2"	27 1/2"	10 1/2"	8"	36	36'-0"	36	36'-0"	10	10'-0"	6	8"	34'-6"	6	8"	38'-9"	3	8"	4'-1 1/4"	8'-0"	6	8"	4'-1 1/4"	8'-9 1/2"	12'-6"	6	7"	16'-3"	4	8"	16'-3"

# TRIPLE BOX CULVERTS

## 40 TO 45 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE  
AND  
BRIDGE  
DIVISION