

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"	8"	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"	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'-1 1/4"	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'-3 5/8"	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'-3 5/8"	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'-3 5/8"	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'-3 5/8"	4'-2"	6'-2"	4	12"	7'-0"	4	12"	7'-0"
5	3	8 3/4"	8 3/4"	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 3/4"	5'-0"	4	12"	4'-2"	4	12"	4'-2"
5	4	9"	9"	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'-3"	5'-6"	4	12"	5'-2"	4	12"	5'-2"
5	5	9"	9"	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'-9"	6'-0"	4	12"	6'-2"	4	12"	6'-2"
5	6	9"	9"	8"	8"	15	15'-0"	15	15'-0"	4	4'-0"	4	12"	16'-4"	4	12"	17'-4"	4	12"	2'-6"	4'-9"	4	12"	2'-6"	4'-3"	6'-6"	4	12"	7'-2"	4	12"	7'-2"
5	7	9 1/4"	9 1/4"	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'-9 1/4"	7'-0"	4	12"	8'-2"	4	12"	8'-2"
6	4	10 1/2"	10 1/2"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	4	11"	18'-11"	4	11"	20'-4"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	3'-4 1/2"	5'-10"	4	12"	5'-5"	4	12"	5'-5"
6	5	10 1/2"	10 1/2"	8"	8"	18	18'-0"	18	18'-0"	3	3'-0"	4	11"	18'-11"	4	11"	20'-4"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	3'-10 1/2"	6'-4"	4	12"	6'-5"	4	12"	6'-5"
6	6	10 3/4"	10 3/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	4	11"	18'-11"	4	11"	20'-4"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	4'-4 3/4"	6'-10"	4	12"	7'-5"	4	12"	7'-5"
6	7	10 3/4"	10 3/4"	8"	8"	18	18'-0"	18	18'-0"	5	5'-0"	4	11"	18'-11"	4	11"	20'-4"	4	11"	2'-8 3/8"	5'-2"	4	11"	2'-8 3/8"	4'-10 3/4"	7'-4"	4	12"	8'-5"	4	12"	8'-5"
6	8	10 3/4"	10 3/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	4	10"	18'-11"	4	10"	20'-4"	--	--	----	----	5	10"	2'-8 3/8"	5'-4 3/4"	7'-9"	4	11 1/2"	9'-5"	4	12"	9'-5"
7	4	12"	12"	8"	8"	21	21'-0"	21	21'-0"	2	2'-0"	4	9"	21'-6"	4	9"	23'-4"	--	--	----	----	4	9"	2'-10 3/4"	3'-6"	6'-2"	4	12"	5'-8"	4	12"	5'-8"
7	6	12 1/4"	12 1/4"	8"	8"	21	21'-0"	21	21'-0"	4	4'-0"	4	9"	21'-6"	4	9"	23'-4"	--	--	----	----	4	9"	2'-10 3/4"	4'-6 1/4"	7'-2"	4	12"	7'-9"	4	12"	7'-9"
7	8	12 1/2"	12 1/2"	8"	8"	21	21'-0"	21	21'-0"	6	6'-0"	4	9"	21'-6"	4	9"	23'-4"	3	9"	2'-10 3/4"	5'-7"	4	9"	2'-10 3/4"	5'-6 1/2"	8'-2"	4	12"	9'-9"	4	12"	9'-9"
7	10	12 1/2"	12 1/2"	8"	8"	21	21'-0"	21	21'-0"	8	8'-0"	4	11"	21'-6"	5	11"	23'-4"	3	11"	2'-10 3/4"	5'-7"	5	11"	2'-10 3/4"	6'-6 1/2"	9'-1"	4	6"	11'-9"	4	12"	11'-9"
8	4	13 1/4"	13 1/4"	8"	8"	24	24'-0"	24	24'-0"	2	2'-0"	5	9"	24'-2"	5	9"	26'-4"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	3'-7 1/4"	6'-5"	4	12"	5'-10"	4	12"	5'-10"
8	6	13 1/4"	13 1/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	5	9"	24'-2"	5	9"	26'-4"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	4'-7 1/4"	7'-5"	4	12"	7'-10"	4	12"	7'-10"
8	8	13 1/4"	13 1/4"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	5	9"	24'-2"	5	9"	26'-4"	3	9"	3'-1 1/4"	6'-0"	4	9"	3'-1 1/4"	5'-7 1/4"	8'-5"	4	12"	9'-10"	4	12"	9'-10"
8	10	13 1/2"	13 1/2"	8"	8"	24	24'-0"	24	24'-0"	8	8'-0"	5	9"	24'-2"	5	9"	26'-4"	3	9"	3'-1 1/4"	6'-0"	5	9"	3'-1 1/4"	6'-7 1/2"	9'-5"	4	6"	11'-11"	4	12"	11'-11"
9	4	14 3/4"	14 3/4"	8"	8"	27	27'-0"	27	27'-0"	2	2'-0"	5	8"	26'-9"	5	8"	29'-4"	--	--	----	----	4	8"	3'-3 5/8"	3'-8 3/4"	6'-9"	4	12"	6'-1"	4	12"	6'-1"
9	6	15"	15"	8"	8"	27	27'-0"	27	27'-0"	4	4'-0"	5	8"	26'-9"	5	8"	29'-4"	--	--	----	----	4	8"	3'-3 5/8"	4'-9"	7'-9"	4	12"	8'-2"	4	12"	8'-2"
9	8	15"	15"	8"	8"	27	27'-0"	27	27'-0"	6	6'-0"	5	8"	26'-9"	5	8"	29'-4"	3	8"	3'-3 5/8"	6'-5"	4	8"	3'-3 5/8"	5'-9"	8'-9"	4	12"	10'-2"	4	12"	10'-2"
9	10	15 1/4"	15 1/4"	8"	8"	27	27'-0"	27	27'-0"	8	8'-0"	5	8"	26'-9"	5	8"	29'-4"	4	8"	3'-3 5/8"	6'-4"	4	8"	3'-3 5/8"	6'-9 1/4"	9'-10"	4	6"	12'-3"	4	12"	12'-3"
9	12	15 1/4"	15 1/4"	8"	8"	27	27'-0"	27	27'-0"	10	10'-0"	5	9"	26'-9"	5	9"	29'-4"	--	--	----	----	7	9"	3'-3 5/8"	7'-9 1/4"	10'-7"	5	6"	14'-3"	4	12"	14'-3"
10	4	16 1/4"	16 1/4"	8"	8"	30	30'-0"	30	30'-0"	2	2'-0"	6	9"	29'-4"	5	9"	32'-4"	--	--	----	----	4	9"	3'-6"	3'-10 1/4"	7'-1"	4	12"	6'-4"	4	12"	6'-4"
10	6	16 1/2"	16 1/2"	8"	8"	30	30'-0"	30	30'-0"	4	4'-0"	6	9"	29'-4"	5	9"	32'-4"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	4'-10 1/2"	8'-1"	4	12"	8'-5"	4	12"	8'-5"
10	8	16 1/2"	16 1/2"	8"	8"	30	30'-0"	30	30'-0"	6	6'-0"	6	9"	29'-4"	5	9"	32'-4"	3	9"	3'-6"	6'-10"	4	9"	3'-6"	5'-10 1/2"	9'-1"	4	12"	10'-5"	4	12"	10'-5"
10	10	16 3/4"	16 3/4"	8"	8"	30	30'-0"	30	30'-0"	8	8'-0"	6	9"	29'-4"	5	9"	32'-4"	3	9"	3'-6"	6'-10"	5	9"	3'-6"	6'-10 3/4"	10'-1"	4	6"	12'-6"	4	12"	12'-6"
10	12	16 3/4"	16 3/4"	8"	8"	30	30'-0"	30	30'-0"	10	10'-0"	6	9"	29'-4"	5	9"	32'-4"	--	--	----	----	7	9"	3'-6"	7'-10 3/4"	10'-11"	5	6"	14'-6"	4	12"	14'-6"
12	6	19 1/2"	19 1/2"	8"	8"	36	36'-0"	36	36'-0"	4	4'-0"	6	9"	34'-6"	6	9"	38'-4"	3	9"	3'-10 3/4"	7'-7"	4	9"	3'-10 3/4"	5'-1 1/2"	8'-9"	4	12"	8'-11"	4	11"	8'-11"
12	8	19 1/2"	19 1/2"	8"	8"	36	36'-0"	36	36'-0"	6	6'-0"	6	8"	34'-6"	6	8"	38'-4"	3	8"	3'-10 3/4"	7'-7"	4	8"	3'-10 3/4"	6'-1 1/2"	9'-9"	4	12"	10'-11"	4	11"	10'-11"
12	10	19 1/2"	19 1/2"	8"	8"	36	36'-0"	36	36'-0"	8	8'-0"	6	8"	34'-6"	6	8"	38'-4"	--	--	----	----	5	8"	3'-10 3/4"	7'-1 1/2"	10'-8"	4	6"	12'-11"	4	11"	12'-11"
12	12	19 3/4"	19 3/4"	8"	8"	36	36'-0"	36	36'-0"	10	10'-0"	6	9"	34'-6"	6	9"	38'-4"	4	9"	3'-10 3/4"	7'-6"	6	9"	3'-10 3/4"	8'-1 3/4"	11'-8"	5	6"	15'-0"	4	11"	15'-0"

TRIPLE BOX CULVERTS

20 TO 25 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION