

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 1/2"	8 1/2"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-1 1/4"	2'-8 1/2"	4'-7"	4	12"	4'-1"	4	12"	4'-1"
3	4	8 1/2"	8 1/2"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-1 1/4"	3'-2 1/2"	5'-1"	4	12"	5'-1"	4	12"	5'-1"
4	3	10 3/4"	10 3/4"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3 5/8"	2'-10 3/4"	4'-11"	4	12"	4'-5"	4	12"	4'-5"
4	4	10 3/4"	10 3/4"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3 5/8"	3'-4 3/4"	5'-5"	4	12"	5'-5"	4	12"	5'-5"
4	5	10 3/4"	10 3/4"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	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"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	4	12"	2'-3 5/8"	4'-4"	4	12"	2'-3 5/8"	4'-4 3/4"	6'-5"	4	10 1/2"	7'-5"	4	12"	7'-5"
5	3	13"	13"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	3'-1"	5'-4"	4	12"	4'-10"	4	12"	4'-10"
5	4	13"	13"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	3'-7"	5'-10"	4	12"	5'-10"	4	12"	5'-10"
5	5	13"	13"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	4	11"	2'-6"	4'-1"	6'-4"	4	12"	6'-10"	4	12"	6'-10"
5	6	13"	13"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	11"	10'-8"	4	11"	11'-8"	3	11"	2'-6"	4'-10"	4	11"	2'-6"	4'-7"	6'-10"	4	11"	7'-10"	4	12"	7'-10"
5	7	13"	13"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	11"	10'-8"	4	11"	11'-8"	--	--	----	----	5	11"	2'-6"	5'-1"	7'-3"	4	7"	8'-10"	4	12"	8'-10"
6	4	15 1/2"	15 1/2"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	3'-9 1/2"	6'-3"	4	12"	6'-3"	4	11"	6'-3"
6	5	15 1/2"	15 1/2"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	4'-3 1/2"	6'-9"	4	12"	7'-3"	4	11 1/2"	7'-3"
6	6	15 1/2"	15 1/2"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8 3/8"	4'-9 1/2"	7'-3"	4	10 1/2"	8'-3"	4	11 1/2"	8'-3"
6	7	15 1/2"	15 1/2"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	5	9"	12'-3"	4	9"	13'-8"	3	9"	2'-8 3/8"	5'-2"	4	9"	2'-8 3/8"	5'-3 1/2"	7'-9"	4	7"	9'-3"	4	11 1/2"	9'-3"
6	8	15"	15"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	4	9"	12'-3"	4	9"	13'-8"	--	--	----	----	5	9"	2'-8 3/8"	5'-9"	8'-1"	4	5 1/2"	10'-2"	4	11 1/2"	10'-2"
7	4	18"	18"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	5	8"	13'-10"	4	8"	15'-8"	--	--	----	----	4	8"	2'-10 3/4"	4'-0"	6'-8"	4	12"	6'-8"	4	10"	6'-8"
7	6	17 3/4"	17 3/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	8"	13'-10"	4	8"	15'-8"	--	--	----	----	4	8"	2'-10 3/4"	4'-11 3/4"	7'-7"	4	10 1/2"	8'-7"	4	10"	8'-7"
7	8	17 3/4"	17 3/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	8"	13'-10"	4	8"	15'-8"	3	8"	2'-10 3/4"	5'-7"	4	8"	2'-10 3/4"	5'-11 3/4"	8'-7"	6	11 1/2"	10'-7"	4	10"	10'-7"
7	10	17 1/2"	17 1/2"	9"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	9"	13'-10"	5	9"	15'-10"	3	9"	2'-11 3/4"	5'-9"	5	9"	2'-11 3/4"	6'-11 1/2"	9'-7"	5	6"	12'-7"	4	10"	12'-7"
8	4	19 1/2"	19 1/2"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1 1/4"	4'-1 1/2"	7'-0"	4	12"	6'-11"	4	10"	6'-11"
8	6	19 3/4"	19 3/4"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1 1/4"	5'-1 3/4"	8'-0"	4	10"	9'-0"	4	10"	9'-0"
8	8	20"	20"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	5	9"	3'-1 1/4"	6'-2"	8'-11"	6	11 1/2"	11'-0"	4	10"	11'-0"
8	10	19 3/4"	19 3/4"	9"	8"	16	16'-0"	16	16'-0"	8	8'-0"	6	9"	15'-6"	5	9"	17'-10"	--	--	----	----	6	9"	3'-2 1/4"	7'-1 3/4"	9'-11"	5	6"	13'-0"	4	10"	13'-0"
9	4	22 1/4"	22 1/4"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-3 5/8"	4'-4 1/4"	7'-5"	4	12"	7'-4"	4	10"	7'-4"
9	6	22"	22"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	17'-1"	5	9"	19'-8"	--	--	----	----	4	9"	3'-3 5/8"	5'-4"	8'-4"	4	9 1/2"	9'-4"	4	10"	9'-4"
9	8	21 3/4"	21 3/4"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	17'-1"	5	9"	19'-8"	3	9"	3'-3 5/8"	6'-5"	4	9"	3'-3 5/8"	6'-3 3/4"	9'-4"	5	8"	11'-3"	4	10"	11'-3"
9	10	21 1/2"	21 1/2"	9"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	17'-1"	5	9"	19'-10"	3	9"	3'-4 5/8"	6'-7"	5	9"	3'-4 5/8"	7'-3 1/2"	10'-4"	5	6"	13'-3"	4	10"	13'-3"
9	12	22 1/4"	22 1/4"	10 1/2"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	17'-1"	5	9"	20'-1"	3	9"	3'-6 1/8"	6'-10"	6	9"	3'-6 1/8"	8'-4 1/4"	11'-6"	5	5"	15'-4"	4	10"	15'-4"
10	4	24 1/2"	24 1/2"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	6	8"	18'-8"	5	8"	21'-8"	--	--	----	----	4	8"	3'-6"	4'-6 1/2"	7'-9"	4	12"	7'-9"	4	9"	7'-9"
10	6	24 1/4"	24 1/4"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	8"	18'-8"	5	8"	21'-8"	--	--	----	----	4	8"	3'-6"	5'-6 1/4"	8'-9"	4	9"	9'-8"	4	9"	9'-8"
10	8	24 1/4"	24 1/4"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	6	8"	18'-8"	5	8"	21'-8"	3	8"	3'-6"	6'-10"	4	8"	3'-6"	6'-6 1/4"	9'-9"	5	7 1/2"	11'-8"	4	9"	11'-8"
10	10	24 1/4"	24 1/4"	9"	8"	20	20'-0"	20	20'-0"	8	8'-0"	7	9"	18'-8"	6	9"	21'-10"	3	9"	3'-7"	7'-0"	5	9"	3'-7"	7'-6 1/4"	10'-9"	6	8"	13'-8"	4	9"	13'-8"
10	12	24 1/4"	24 1/4"	10 1/2"	8"	20	20'-0"	20	20'-0"	10	10'-0"	7	9"	18'-8"	6	9"	22'-1"	3	9"	3'-8 1/2"	7'-3"	6	9"	3'-8 1/2"	8'-6 1/4"	11'-10"	5	5"	15'-8"	4	9"	15'-8"
12	6	28 1/4"	28 1/4"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	8	9"	21'-10"	6	9"	25'-8"	--	--	----	----	4	9"	3'-10 3/4"	5'-10 1/4"	9'-6"	4	8"	10'-5"	4	7"	10'-5"
12	8	28 1/4"	28 1/4"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-10 3/4"	7'-7"	4	9"	3'-10 3/4"	6'-10 1/4"	10'-6"	4	4 1/2"	12'-5"	4	7 1/2"	12'-5"
12	10	28 1/4"	28 1/4"	9 1/4"	8"	24	24'-0"	24	24'-0"	8	8'-0"	7	9"	21'-10"	6	9"	25'-10"	3	9"	4'-0"	7'-10"	5	9"	4'-0"	7'-10 1/4"	11'-6"	6	8"	14'-5"	4	7 1/2"	14'-5"
12	12	28 1/2"	28 1/2"	10 1/2"	8"	24	24'-0"	24	24'-0"	10	10'-0"	7	9"	21'-10"	7	9"	26'-1"	3	9"	4'-1 1/4"	8'-0"	6	9"	4'-1 1/4"	8'-10 1/2"	12'-7"	8	12"	16'-5"	5	12"	16'-5"

DOUBLE BOX CULVERTS

40 TO 45 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION