

DIMENSIONS										REINFORCING STEEL																						
SPAN (FT.)	HGHT (FT.)	T1	T2	T3	T4	A	B	C	D	E	F	BH1			BH2			BH3			BH4			BV1			BV2					
		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	9/4"	9/4"	8"	8"	6	6'-0"	6	6'-0"	1	1'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-1/4"	2'-9/4"	4'-7"	4	12"	4'-2"	4	12"	4'-2"
3	4	9/4"	9/4"	8"	8"	6	6'-0"	6	6'-0"	2	2'-0"	4	12"	7'-6"	4	12"	7'-8"	--	--	----	----	4	12"	2'-1/4"	3'-3/4"	5'-1"	4	12"	5'-2"	4	12"	5'-2"
4	3	11/2"	11/2"	8"	8"	8	8'-0"	8	8'-0"	1	1'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3/8"	2'-11/2"	5'-0"	4	12"	4'-7"	4	12"	4'-7"
4	4	11/4"	11/4"	8"	8"	8	8'-0"	8	8'-0"	2	2'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3/8"	3'-5/4"	5'-6"	4	12"	5'-6"	4	12"	5'-6"
4	5	11/4"	11/4"	8"	8"	8	8'-0"	8	8'-0"	3	3'-0"	4	12"	9'-1"	4	12"	9'-8"	--	--	----	----	4	12"	2'-3/8"	3'-11/4"	6'-0"	4	12"	6'-6"	4	12"	6'-6"
4	6	11/4"	11/4"	8"	8"	8	8'-0"	8	8'-0"	4	4'-0"	4	12"	9'-1"	4	12"	9'-8"	4	12"	2'-3/8"	4'-4"	4	12"	2'-3/8"	4'-5/4"	6'-6"	4	9"	7'-6"	4	12"	7'-6"
5	3	13/4"	13/4"	8"	8"	10	10'-0"	10	10'-0"	1	1'-0"	4	10"	10'-8"	4	10"	11'-8"	--	--	----	----	4	10"	2'-6"	3'-1/4"	5'-5"	4	12"	5'-0"	4	12"	5'-0"
5	4	13/4"	13/4"	8"	8"	10	10'-0"	10	10'-0"	2	2'-0"	4	10"	10'-8"	4	10"	11'-8"	--	--	----	----	4	10"	2'-6"	3'-7/4"	5'-11"	4	12"	6'-0"	4	12"	6'-0"
5	5	13/4"	13/4"	8"	8"	10	10'-0"	10	10'-0"	3	3'-0"	4	10"	10'-8"	4	10"	11'-8"	--	--	----	----	4	10"	2'-6"	4'-1/4"	6'-5"	4	12"	7'-0"	4	12"	7'-0"
5	6	13/4"	13/4"	8"	8"	10	10'-0"	10	10'-0"	4	4'-0"	4	10"	10'-8"	4	10"	11'-8"	--	--	----	----	4	10"	2'-6"	4'-7/4"	6'-11"	4	9"	8'-0"	4	12"	8'-0"
5	7	13/2"	13/2"	8"	8"	10	10'-0"	10	10'-0"	5	5'-0"	4	10"	10'-8"	4	10"	11'-8"	--	--	----	----	5	10"	2'-6"	5'-1/2"	7'-4"	5	10/2"	8'-11"	4	12"	8'-11"
6	4	16/4"	16/4"	8"	8"	12	12'-0"	12	12'-0"	2	2'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8/8"	3'-10/4"	6'-3"	4	12"	6'-4"	4	10"	6'-4"
6	5	16"	16"	8"	8"	12	12'-0"	12	12'-0"	3	3'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8/8"	4'-4"	6'-9"	4	12"	7'-4"	4	10"	7'-4"
6	6	16"	16"	8"	8"	12	12'-0"	12	12'-0"	4	4'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	4	9"	2'-8/8"	4'-10"	7'-3"	4	9"	8'-4"	4	10/2"	8'-4"
6	7	16"	16"	8"	8"	12	12'-0"	12	12'-0"	5	5'-0"	5	9"	12'-3"	4	9"	13'-8"	3	9"	2'-8/8"	5'-2"	4	9"	2'-8/8"	5'-4"	7'-9"	4	6/2"	9'-4"	4	10"	9'-4"
6	8	15/4"	15/4"	8"	8"	12	12'-0"	12	12'-0"	6	6'-0"	5	9"	12'-3"	4	9"	13'-8"	--	--	----	----	5	9"	2'-8/8"	5'-9/4"	8'-2"	6	11/2"	10'-3"	4	10/2"	10'-3"
7	4	18/4"	18/4"	8"	8"	14	14'-0"	14	14'-0"	2	2'-0"	6	9"	13'-10"	5	9"	15'-8"	--	--	----	----	4	9"	2'-10/4"	4'-1/4"	6'-8"	4	12"	6'-9"	4	10"	6'-9"
7	6	18/4"	18/4"	8"	8"	14	14'-0"	14	14'-0"	4	4'-0"	5	8"	13'-10"	5	8"	15'-8"	--	--	----	----	4	8"	2'-10/4"	5'-3/4"	7'-8"	4	9"	8'-9"	4	10"	8'-9"
7	8	18/4"	18/4"	8"	8"	14	14'-0"	14	14'-0"	6	6'-0"	5	8"	13'-10"	5	8"	15'-8"	3	8"	2'-10/4"	5'-7"	4	8"	2'-10/4"	6'-3/4"	8'-8"	5	7/2"	10'-9"	4	10"	10'-9"
7	10	18/4"	18/4"	9/4"	8"	14	14'-0"	14	14'-0"	8	8'-0"	5	8"	13'-10"	5	8"	15'-11"	3	8"	3'-1/2"	5'-11"	5	8"	3'-1/2"	7'-1/4"	9'-9"	6	9"	12'-9"	4	10"	12'-9"
8	4	20/4"	20/4"	8"	8"	16	16'-0"	16	16'-0"	2	2'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1/4"	4'-2/4"	7'-1"	4	12"	7'-1"	4	10"	7'-1"
8	6	20/2"	20/2"	8"	8"	16	16'-0"	16	16'-0"	4	4'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	4	9"	3'-1/4"	5'-2/2"	8'-1"	4	8/2"	9'-1"	4	10"	9'-1"
8	8	20/2"	20/2"	8"	8"	16	16'-0"	16	16'-0"	6	6'-0"	6	9"	15'-6"	5	9"	17'-8"	--	--	----	----	5	9"	3'-1/4"	6'-2/2"	9'-0"	5	7/2"	11'-1"	4	10"	11'-1"
8	10	20/2"	20/2"	9/4"	8"	16	16'-0"	16	16'-0"	8	8'-0"	6	9"	15'-6"	5	9"	17'-11"	--	--	----	----	6	9"	3'-3"	7'-2/2"	10'-1"	4	4"	13'-1"	4	10"	13'-1"
9	4	23/2"	23/2"	8"	8"	18	18'-0"	18	18'-0"	2	2'-0"	7	9"	17'-1"	6	9"	19'-8"	--	--	----	----	4	9"	3'-3/8"	4'-5/2"	7'-6"	4	12"	7'-7"	4	9"	7'-7"
9	6	23/4"	23/4"	8"	8"	18	18'-0"	18	18'-0"	4	4'-0"	6	9"	17'-1"	6	9"	19'-8"	--	--	----	----	4	9"	3'-3/8"	5'-5/4"	8'-6"	4	8"	9'-6"	4	9"	9'-6"
9	8	23"	23"	8"	8"	18	18'-0"	18	18'-0"	6	6'-0"	6	9"	17'-1"	6	9"	19'-8"	4	9"	3'-3/8"	6'-4"	4	9"	3'-3/8"	6'-5"	9'-5"	4	4/2"	11'-6"	4	9"	11'-6"
9	10	23"	23"	9/4"	8"	18	18'-0"	18	18'-0"	8	8'-0"	6	9"	17'-1"	6	9"	19'-11"	3	9"	3'-5/8"	6'-8"	5	9"	3'-5/8"	7'-5"	10'-6"	5	6"	13'-6"	4	9"	13'-6"
9	12	23"	23"	11"	8"	18	18'-0"	18	18'-0"	10	10'-0"	6	9"	17'-1"	6	9"	20'-2"	3	9"	3'-6/8"	6'-11"	7	9"	3'-6/8"	8'-5"	11'-6"	7	9/2"	15'-6"	4	9"	15'-6"
10	4	25/2"	25/2"	8"	8"	20	20'-0"	20	20'-0"	2	2'-0"	7	8"	18'-8"	6	8"	21'-8"	--	--	----	----	4	8"	3'-6"	4'-7/2"	7'-10"	4	12"	7'-11"	4	8"	7'-11"
10	6	25/2"	25/2"	8"	8"	20	20'-0"	20	20'-0"	4	4'-0"	6	8"	18'-8"	6	8"	21'-8"	--	--	----	----	4	8"	3'-6"	5'-7/2"	8'-10"	5	12"	9'-11"	4	8"	9'-11"
10	8	25/4"	25/4"	8"	8"	20	20'-0"	20	20'-0"	6	6'-0"	6	8"	18'-8"	6	8"	21'-8"	3	8"	3'-6"	6'-10"	4	8"	3'-6"	6'-7/4"	9'-10"	4	4/2"	11'-11"	4	8"	11'-11"
10	10	25/4"	25/4"	9/4"	8"	20	20'-0"	20	20'-0"	8	8'-0"	6	8"	18'-8"	6	8"	21'-11"	3	8"	3'-7/4"	7'-1"	5	8"	3'-7/4"	7'-7/4"	10'-11"	7	11/2"	13'-11"	4	8"	13'-11"
10	12	25/4"	25/4"	11"	8"	20	20'-0"	20	20'-0"	10	10'-0"	7	9"	18'-8"	7	9"	22'-2"	--	--	----	----	7	9"	3'-9"	8'-7/4"	11'-11"	8	12"	15'-11"	4	8"	15'-11"
12	6	30/2"	30/2"	8"	8"	24	24'-0"	24	24'-0"	4	4'-0"	8	9"	21'-10"	6	9"	25'-8"	--	--	----	----	4	9"	3'-10/4"	6'-1/2"	9'-8"	5	10/2"	10'-9"	5	10/2"	10'-9"
12	8	30/4"	30/4"	8"	8"	24	24'-0"	24	24'-0"	6	6'-0"	7	9"	21'-10"	6	9"	25'-8"	3	9"	3'-10/4"	7'-7"	4	9"	3'-10/4"	7'-1/4"	10'-8"	6	9"	12'-8"	5	10/2"	12'-8"
12	10	30/4"	30/4"	9/4"	8"	24	24'-0"	24	24'-0"	8	8'-0"	7	9"	21'-10"	6	9"	25'-11"	3	9"	4'-1/2"	7'-11"	5	9"	4'-1/2"	8'-1/4"	11'-9"	5	5/2"	14'-8"	5	10/2"	14'-8"
12	12	30"	30"	11/4"	8"	24	24'-0"	24	24'-0"	10	10'-0"	8	9"	21'-10"	7	9"	26'-2"	3	9"	4'-2"	8'-2"	6	9"	4'-2"	9'-0"	12'-9"	8	12"	16'-8"	5	10/2"	16'-8"

DOUBLE BOX CULVERTS

45 TO 50 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION