

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

DOUBLE BOX CULVERTS

30 TO 35 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION