

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"	9	9'- 0"	18	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"	4	12"	4'- 0"
3	4	8"	8"	8"	8"	9	9'- 0"	18	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	12"	5'- 0"
4	3	8 1/4"	8 1/4"	8"	8"	12	12'- 0"	24	12'- 0"	1	1'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	4	12"	2'- 3 5/8"	4'- 4"	4	12"	2'- 3 5/8"	2'- 8 1/4"	4'- 9"	4	12"	4'- 0"	4	12"	4'- 0"	4	12"	4'- 0"
4	4	8 1/4"	8 1/4"	8"	8"	12	12'- 0"	24	12'- 0"	2	2'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	4	12"	2'- 3 5/8"	4'- 4"	4	12"	2'- 3 5/8"	3'- 2 1/4"	5'- 3"	4	12"	5'- 0"	4	12"	5'- 0"	4	12"	5'- 0"
4	5	8 1/4"	8 1/4"	8"	8"	12	12'- 0"	24	12'- 0"	3	3'- 0"	4	12"	13'- 9"	4	12"	14'- 4"	4	12"	2'- 3 5/8"	4'- 4"	4	12"	2'- 3 5/8"	3'- 8 1/4"	5'- 9"	4	12"	6'- 0"	4	12"	6'- 0"	4	12"	6'- 0"
4	6	8 1/4"	8 1/4"	8"	8"	12	12'- 0"	24	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'- 2 1/4"	6'- 3"	4	12"	7'- 0"	4	12"	7'- 0"	4	12"	7'- 0"
5	3	8 1/4"	8 1/4"	8"	8"	15	15'- 0"	30	15'- 0"	1	1'- 0"	4	11"	16'- 4"	5	11"	17'- 4"	4	11"	2'- 6"	4'- 9"	4	11"	2'- 6"	2'- 8 1/4"	4'- 11"	4	12"	4'- 0"	4	12"	4'- 0"	4	12"	4'- 0"
5	4	8 1/4"	8 1/4"	8"	8"	15	15'- 0"	30	15'- 0"	2	2'- 0"	4	10"	16'- 4"	4	10"	17'- 4"	4	10"	2'- 6"	4'- 9"	4	10"	2'- 6"	3'- 2 1/4"	5'- 5"	4	12"	5'- 0"	4	10"	5'- 0"	4	10"	5'- 0"
5	5	8 1/4"	8 1/4"	8"	8"	15	15'- 0"	30	15'- 0"	3	3'- 0"	4	10"	16'- 4"	4	10"	17'- 4"	4	10"	2'- 6"	4'- 9"	4	10"	2'- 6"	3'- 8 1/4"	5'- 11"	4	12"	6'- 0"	4	10"	6'- 0"	4	10"	6'- 0"
5	6	8 1/4"	8 1/4"	8"	8"	15	15'- 0"	30	15'- 0"	4	4'- 0"	4	10"	16'- 4"	4	10"	17'- 4"	4	10"	2'- 6"	4'- 9"	4	10"	2'- 6"	4'- 2 1/4"	6'- 5"	4	12"	7'- 0"	4	10"	7'- 0"	4	10"	7'- 0"
5	7	8 1/4"	8 1/4"	8"	8"	15	15'- 0"	30	15'- 0"	5	5'- 0"	4	9"	16'- 4"	4	9"	17'- 4"	4	9"	2'- 6"	4'- 9"	4	9"	2'- 6"	4'- 8 1/4"	6'- 11"	4	12"	8'- 0"	4	10"	8'- 0"	4	10"	8'- 0"
6	4	9 3/4"	9 3/4"	8"	8"	18	18'- 0"	36	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'- 3 3/4"	5'- 9"	4	12"	5'- 3"	4	10"	5'- 3"	4	10"	5'- 3"
6	5	9 3/4"	9 3/4"	8"	8"	18	18'- 0"	36	18'- 0"	3	3'- 0"	4	10"	18'- 11"	4	10"	20'- 4"	4	10"	2'- 8 3/8"	5'- 2"	4	10"	2'- 8 3/8"	3'- 9 3/4"	6'- 3"	4	12"	6'- 3"	4	10"	6'- 3"	4	10"	6'- 3"
6	6	9 3/4"	9 3/4"	8"	8"	18	18'- 0"	36	18'- 0"	4	4'- 0"	4	10"	18'- 11"	4	10"	20'- 4"	4	10"	2'- 8 3/8"	5'- 2"	4	10"	2'- 8 3/8"	4'- 3 3/4"	6'- 9"	4	12"	7'- 3"	4	10"	7'- 3"	4	10"	7'- 3"
6	7	9 3/4"	9 3/4"	8"	8"	18	18'- 0"	36	18'- 0"	5	5'- 0"	4	9"	18'- 11"	4	9"	20'- 4"	4	9"	2'- 8 3/8"	5'- 2"	4	9"	2'- 8 3/8"	4'- 9 3/4"	7'- 3"	4	12"	8'- 3"	4	10"	8'- 3"	4	10"	8'- 3"
6	8	9 3/4"	9 3/4"	8"	8"	18	18'- 0"	36	18'- 0"	6	6'- 0"	4	9"	18'- 11"	4	9"	20'- 4"	4	9"	2'- 8 3/8"	5'- 2"	4	9"	2'- 8 3/8"	5'- 3 3/4"	7'- 9"	4	12"	9'- 3"	4	10"	9'- 3"	4	10"	9'- 3"
7	4	9 1/2"	9 1/2"	8"	8"	21	21'- 0"	42	21'- 0"	2	2'- 0"	4	9"	21'- 6"	4	9"	23'- 4"	4	9"	2'- 10 3/4"	5'- 6"	4	9"	2'- 10 3/4"	3'- 3 1/2"	5'- 11"	4	12"	5'- 3"	4	9 1/2"	5'- 3"	4	9 1/2"	5'- 3"
7	6	9 1/2"	9 1/2"	8"	8"	21	21'- 0"	42	21'- 0"	4	4'- 0"	4	9"	21'- 6"	5	9"	23'- 4"	4	9"	2'- 10 3/4"	5'- 6"	4	9"	2'- 10 3/4"	4'- 3 1/2"	6'- 11"	4	12"	7'- 3"	4	8 1/2"	7'- 3"	4	8 1/2"	7'- 3"
7	8	9 3/4"	9 3/4"	8"	8"	21	21'- 0"	42	21'- 0"	6	6'- 0"	4	8"	21'- 6"	4	8"	23'- 4"	4	8"	2'- 10 3/4"	5'- 6"	4	8"	2'- 10 3/4"	5'- 3 3/4"	7'- 11"	4	12"	9'- 3"	4	9"	9'- 3"	4	9"	9'- 3"
7	10	9 3/4"	9 3/4"	8"	8"	21	21'- 0"	42	21'- 0"	8	8'- 0"	4	8"	21'- 6"	4	8"	23'- 4"	4	8"	2'- 10 3/4"	5'- 6"	4	8"	2'- 10 3/4"	6'- 3 3/4"	8'- 11"	4	12"	11'- 3"	4	9"	11'- 3"	4	9"	11'- 3"
8	4	9"	9"	8"	8"	24	24'- 0"	48	24'- 0"	2	2'- 0"	4	8"	24'- 2"	4	8"	26'- 4"	4	8"	3'- 1 1/4"	5'- 11"	4	8"	3'- 1 1/4"	3'- 3"	6'- 1"	4	12"	5'- 2"	4	7 1/2"	5'- 2"	4	7 1/2"	5'- 2"
8	6	9"	9"	8"	8"	24	24'- 0"	48	24'- 0"	4	4'- 0"	5	12"	24'- 2"	5	12"	26'- 4"	5	12"	3'- 1 1/4"	5'- 11"	5	12"	3'- 1 1/4"	4'- 3"	7'- 0"	4	12"	7'- 2"	4	7"	7'- 2"	4	7"	7'- 2"
8	8	9 1/4"	9 1/4"	8"	8"	24	24'- 0"	48	24'- 0"	6	6'- 0"	5	11"	24'- 2"	5	11"	26'- 4"	5	11"	3'- 1 1/4"	5'- 11"	5	11"	3'- 1 1/4"	5'- 3 1/4"	8'- 1"	4	12"	9'- 2"	4	7"	9'- 2"	4	7"	9'- 2"
8	10	9 3/4"	9 3/4"	8"	8"	24	24'- 0"	48	24'- 0"	8	8'- 0"	5	10"	24'- 2"	5	10"	26'- 4"	5	10"	3'- 1 1/4"	5'- 11"	5	10"	3'- 1 1/4"	6'- 3 3/4"	9'- 1"	4	12"	11'- 3"	4	7 1/2"	11'- 3"	4	7 1/2"	11'- 3"
9	4	9 1/4"	9 1/4"	8"	8"	27	27'- 0"	54	27'- 0"	2	2'- 0"	5	11"	26'- 9"	5	11"	29'- 4"	4	11"	3'- 3 5/8"	6'- 4"	6	11"	3'- 3 5/8"	3'- 3 1/4"	6'- 2"	4	12"	5'- 2"	4	6 1/2"	5'- 2"	4	6 1/2"	5'- 2"
9	6	9 1/2"	9 1/2"	8"	8"	27	27'- 0"	54	27'- 0"	4	4'- 0"	5	10"	26'- 9"	5	10"	29'- 4"	4	10"	3'- 3 5/8"	6'- 4"	5	10"	3'- 3 5/8"	4'- 3 1/2"	7'- 3"	4	12"	7'- 3"	4	6 1/2"	7'- 3"	4	6 1/2"	7'- 3"
9	8	9 1/2"	9 1/2"	8"	8"	27	27'- 0"	54	27'- 0"	6	6'- 0"	5	10"	26'- 9"	5	10"	29'- 4"	5	10"	3'- 3 5/8"	6'- 3"	5	10"	3'- 3 5/8"	5'- 3 1/2"	8'- 3"	4	12"	9'- 3"	4	6 1/2"	9'- 3"	4	6 1/2"	9'- 3"
9	10	9 1/2"	9 1/2"	8"	8"	27	27'- 0"	54	27'- 0"	8	8'- 0"	5	9"	26'- 9"	5	9"	29'- 4"	5	9"	3'- 3 5/8"	6'- 3"	5	9"	3'- 3 5/8"	6'- 3 1/2"	9'- 3"	4	12"	11'- 3"	4	6 1/2"	11'- 3"	4	6 1/2"	11'- 3"
9	12	9 3/4"	9 3/4"	8"	8"	27	27'- 0"	54	27'- 0"	10	10'- 0"	6	12"	26'- 9"	6	12"	29'- 4"	6	12"	3'- 3 5/8"	6'- 2"	6	12"	3'- 3 5/8"	7'- 3 3/4"	10'- 3"	4	11 1/2"	13'- 3"	4	6 1/2"	13'- 3"	4	6 1/2"	13'- 3"
10	4	9 1/2"	9 1/2"	8"	8"	30	30'- 0"	60	30'- 0"	2	2'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	--	---	-----	-----	5	9"	3'- 6"	3'- 3 1/2"	6'- 6"	4	12"	5'- 3"	5	9 1/2"	5'- 3"	4	9 1/2"	5'- 3"
10	6	9 1/2"	9 1/2"	8"	8"	30	30'- 0"	60	30'- 0"	4	4'- 0"	5	10"	29'- 4"	5	10"	32'- 4"	4	10"	3'- 6"	6'- 9"	5	10"	3'- 6"	4'- 3 1/2"	7'- 6"	4	12"	7'- 3"	5	9 1/2"	7'- 3"	4	9 1/2"	7'- 3"
10	8	9 1/2"	9 1/2"	8"	8"	30	30'- 0"	60	30'- 0"	6	6'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	4	9"	3'- 6"	6'- 9"	5	9"	3'- 6"	5'- 3 1/2"	8'- 6"	4	12"	9'- 3"	5	9 1/2"	9'- 3"	4	9 1/2"	9'- 3"
10	10	9 3/4"	9 3/4"	8"	8"	30	30'- 0"	60	30'- 0"	8	8'- 0"	5	9"	29'- 4"	5	9"	32'- 4"	4	9"	3'- 6"	6'- 9"	5	9"	3'- 6"	6'- 3 3/4"	9'- 6"	4	12"	11'- 3"	4	6 1/2"	11'- 3"	4	6 1/2"	11'- 3"
10	12	9 3/4"	9 3/4"	8"	8"	30	30'- 0"	60	30'- 0"	10	10'- 0"	6	12"	29'- 4"	6	12"	32'- 4"	4	12"	3'- 6"	6'- 9"	6	12"	3'- 6"	7'- 3 3/4"	10'- 5"	4	11 1/2"	13'- 3"	4	7"	13'- 3"	4	7"	13'- 3"
12	6	10"	10"	8"	8"	36	36'- 0"	72	36'- 0"	4	4'- 0"	5	9"	34'- 6"	5	9"	38'- 4"	--	---	-----	-----	6	9"	3'- 10 3/4"	4'- 4"	7'- 10"	4	12"	7'- 4"	5	8"	7'- 4"	4	8"	7'- 4"
12	8	10"	10"	8"	8"	36	36'- 0"	72	36'- 0"	6	6'- 0"	6	12"	34'- 6"	6	12"	38'- 4"	--	---	-----	-----	7	12"	3'- 10 3/4"	5'- 4"	8'- 9"	4	12"	9'- 4"	5	8"	9'- 4"	4	8"	9'- 4"
12	10	10"	10"	8"	8"	36	36'- 0"	72	36'- 0"	8	8'- 0"	5	8"	34'- 6"	5	8"	38'- 4"	4	8"	3'- 10 3/4"	7'- 6"	5	8"	3'- 10 3/4"	6'- 4"	9'- 11"	4	12"	11'- 4"	4	5 1/2"	11'- 4"	4	5 1/2"	11'- 4"
12	12	10 1/4"	10 1/4"	8"	8"	36	36'- 0"	72	36'- 0"	10	10'- 0"	6	11"	34'- 6"	6	11"	38'- 4"	4	11"	3'- 10 3/4"	7'- 6"	6	11"	3'- 10 3/4"	7'- 4 1/4"	10'- 10"	4	11 1/2"	13'- 5"	4	6"	13'- 5"	4	6"	13'- 5"

TRIPLE BOX CULVERTS

0 TO 2 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION