

DIMENSIONS										REINFORCING STEEL																						
SPAN	HGHT	T1	T2	T3	T4						BH1			BH2			BH3			BH4			BV1			BV2						
(FT.)	(FT.)	TOP SLAB	BOTTOM SLAB	EXTERIOR WALL (IN.)	INTERIOR WALL (IN.)	A	B	C	D	E	F	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"	9"	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'- 9"	4'- 7"	4	12"	4'- 2"	4	12"	4'- 2"
3	4	9"	9"	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'- 3"	5'- 1"	4	12"	5'- 2"	4	12"	5'- 2"
4	3	11"	11"	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'- 11"	4'- 11"	4	12"	4'- 6"	4	12"	4'- 6"
4	4	11 1/4"	11 1/4"	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'- 5 1/4"	5'- 6"	4	12"	5'- 6"	4	12"	5'- 6"
4	5	11"	11"	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'- 11"	5'- 11"	4	12"	6'- 6"	4	12"	6'- 6"
4	6	11 1/4"	11 1/4"	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'- 4"	4	12"	2'- 3 5/8"	4'- 5 1/4"	6'- 6"	4	9"	7'- 6"	4	12"	7'- 6"
5	3	13 1/4"	13 1/4"	8"	8"	15	15'- 0"	15	15'- 0"	1	1'- 0"	4	9"	16'- 4"	4	9"	17'- 4"	--	---	-----	-----	4	9"	2'- 6"	3'- 1 1/4"	5'- 4"	4	12"	4'- 10"	4	12"	4'- 10"
5	4	13 1/4"	13 1/4"	8"	8"	15	15'- 0"	15	15'- 0"	2	2'- 0"	4	9"	16'- 4"	4	9"	17'- 4"	--	---	-----	-----	4	9"	2'- 6"	3'- 7 1/4"	5'- 10"	4	12"	5'- 10"	4	12"	5'- 10"
5	5	13 1/2"	13 1/2"	8"	8"	15	15'- 0"	15	15'- 0"	3	3'- 0"	4	9"	16'- 4"	4	9"	17'- 4"	--	---	-----	-----	4	9"	2'- 6"	4'- 1 1/2"	6'- 4"	4	12"	6'- 11"	4	12"	6'- 11"
5	6	13 1/2"	13 1/2"	8"	8"	15	15'- 0"	15	15'- 0"	4	4'- 0"	4	9"	16'- 4"	4	9"	17'- 4"	--	---	-----	-----	4	9"	2'- 6"	4'- 7 1/2"	6'- 10"	4	9 1/2"	7'- 11"	4	12"	7'- 11"
5	7	13 1/2"	13 1/2"	8"	8"	15	15'- 0"	15	15'- 0"	5	5'- 0"	4	10"	16'- 4"	4	10"	17'- 4"	--	---	-----	-----	5	10"	2'- 6"	5'- 1 1/2"	7'- 4"	5	10 1/2"	8'- 11"	4	12"	8'- 11"
6	4	16"	16"	8"	8"	18	18'- 0"	18	18'- 0"	2	2'- 0"	4	9"	18'- 11"	5	9"	20'- 4"	--	---	-----	-----	4	9"	2'- 8 3/8"	3'- 10"	6'- 3"	4	12"	6'- 4"	4	11"	6'- 4"
6	5	16"	16"	8"	8"	18	18'- 0"	18	18'- 0"	3	3'- 0"	4	9"	18'- 11"	5	9"	20'- 4"	--	---	-----	-----	4	9"	2'- 8 3/8"	4'- 4"	6'- 9"	4	12"	7'- 4"	4	11"	7'- 4"
6	6	15 1/2"	15 1/2"	8"	8"	18	18'- 0"	18	18'- 0"	4	4'- 0"	4	9"	18'- 11"	5	9"	20'- 4"	--	---	-----	-----	4	9"	2'- 8 3/8"	4'- 9 1/2"	7'- 3"	4	10"	8'- 3"	4	11 1/2"	8'- 3"
6	7	15 1/2"	15 1/2"	8"	8"	18	18'- 0"	18	18'- 0"	5	5'- 0"	4	9"	18'- 11"	5	9"	20'- 4"	3	9"	2'- 8 3/8"	5'- 2"	4	9"	2'- 8 3/8"	5'- 3 1/2"	7'- 9"	5	10 1/2"	9'- 3"	4	11 1/2"	9'- 3"
6	8	15 1/2"	15 1/2"	8"	8"	18	18'- 0"	18	18'- 0"	6	6'- 0"	4	9"	18'- 11"	5	9"	20'- 4"	--	---	-----	-----	5	9"	2'- 8 3/8"	5'- 9 1/2"	8'- 2"	4	5"	10'- 3"	4	11 1/2"	10'- 3"
7	4	18"	18"	8"	8"	21	21'- 0"	21	21'- 0"	2	2'- 0"	5	9"	21'- 6"	5	9"	23'- 4"	--	---	-----	-----	4	9"	2'- 10 3/4"	4'- 0"	6'- 8"	4	12"	6'- 8"	4	10"	6'- 8"
7	6	18"	18"	8"	8"	21	21'- 0"	21	21'- 0"	4	4'- 0"	5	9"	21'- 6"	5	9"	23'- 4"	--	---	-----	-----	4	9"	2'- 10 3/4"	5'- 0"	7'- 8"	4	9 1/2"	8'- 8"	4	10"	8'- 8"
7	8	18"	18"	8"	8"	21	21'- 0"	21	21'- 0"	6	6'- 0"	5	9"	21'- 6"	5	9"	23'- 4"	--	---	-----	-----	5	9"	2'- 10 3/4"	6'- 0"	8'- 7"	5	7 1/2"	10'- 8"	4	10"	10'- 8"
7	10	18"	18"	9 3/4"	8"	21	21'- 0"	21	21'- 0"	8	8'- 0"	5	9"	21'- 6"	5	9"	23'- 8"	4	9"	3'- 1/2"	5'- 10"	5	9"	3'- 1/2"	7'- 0"	9'- 9"	6	9"	12'- 8"	4	10"	12'- 8"
8	4	20 1/2"	20 1/2"	8"	8"	24	24'- 0"	24	24'- 0"	2	2'- 0"	6	9"	24'- 2"	6	9"	26'- 4"	--	---	-----	-----	4	9"	3'- 1 1/4"	4'- 2 1/2"	7'- 1"	4	12"	7'- 1"	4	10"	7'- 1"
8	6	20 1/2"	20 1/2"	8"	8"	24	24'- 0"	24	24'- 0"	4	4'- 0"	5	8"	24'- 2"	5	8"	26'- 4"	--	---	-----	-----	4	8"	3'- 1 1/4"	5'- 2 1/2"	8'- 1"	4	9"	9'- 1"	4	10"	9'- 1"
8	8	20 1/2"	20 1/2"	8"	8"	24	24'- 0"	24	24'- 0"	6	6'- 0"	5	8"	24'- 2"	5	8"	26'- 4"	3	8"	3'- 1 1/4"	6'- 0"	4	8"	3'- 1 1/4"	6'- 2 1/2"	9'- 1"	5	7 1/2"	11'- 1"	4	10"	11'- 1"
8	10	20 1/2"	20 1/2"	9 3/4"	8"	24	24'- 0"	24	24'- 0"	8	8'- 0"	5	8"	24'- 2"	5	8"	26'- 8"	3	8"	3'- 3"	6'- 4"	5	8"	3'- 3"	7'- 2 1/2"	10'- 2"	6	9"	13'- 1"	4	10"	13'- 1"
9	4	22 1/2"	22 1/2"	8"	8"	27	27'- 0"	27	27'- 0"	2	2'- 0"	6	9"	26'- 9"	6	9"	29'- 4"	--	---	-----	-----	4	9"	3'- 3 5/8"	4'- 4 1/2"	7'- 5"	4	12"	7'- 5"	4	10"	7'- 5"
9	6	22 1/2"	22 1/2"	8"	8"	27	27'- 0"	27	27'- 0"	4	4'- 0"	6	9"	26'- 9"	6	9"	29'- 4"	--	---	-----	-----	4	9"	3'- 3 5/8"	5'- 4 1/2"	8'- 5"	4	8 1/2"	9'- 5"	4	10"	9'- 5"
9	8	22 1/2"	22 1/2"	8"	8"	27	27'- 0"	27	27'- 0"	6	6'- 0"	6	9"	26'- 9"	6	9"	29'- 4"	--	---	-----	-----	5	9"	3'- 3 5/8"	6'- 4 1/2"	9'- 4"	4	4 1/2"	11'- 5"	4	10"	11'- 5"
9	10	22 1/2"	22 1/2"	9 3/4"	8"	27	27'- 0"	27	27'- 0"	8	8'- 0"	6	9"	26'- 9"	6	9"	29'- 8"	--	---	-----	-----	6	9"	3'- 5 3/8"	7'- 4 1/2"	10'- 5"	4	4"	13'- 5"	4	10"	13'- 5"
9	12	22 1/2"	22 1/2"	11"	8"	27	27'- 0"	27	27'- 0"	10	10'- 0"	6	9"	26'- 9"	6	9"	29'- 10"	3	9"	3'- 6 5/8"	6'- 11"	7	9"	3'- 6 5/8"	8'- 4 1/2"	11'- 6"	6	7"	15'- 5"	4	9 1/2"	15'- 5"
10	4	25"	25"	8"	8"	30	30'- 0"	30	30'- 0"	2	2'- 0"	6	9"	29'- 4"	6	9"	32'- 4"	--	---	-----	-----	4	9"	3'- 6"	4'- 7"	7'- 10"	4	12"	7'- 10"	4	9"	7'- 10"
10	6	25"	25"	8"	8"	30	30'- 0"	30	30'- 0"	4	4'- 0"	6	9"	29'- 4"	6	9"	32'- 4"	--	---	-----	-----	4	9"	3'- 6"	5'- 7"	8'- 10"	4	8"	9'- 10"	4	9"	9'- 10"
10	8	25"	25"	8"	8"	30	30'- 0"	30	30'- 0"	6	6'- 0"	6	9"	29'- 4"	6	9"	32'- 4"	3	9"	3'- 6"	6'- 10"	4	9"	3'- 6"	6'- 7"	9'- 10"	4	4 1/2"	11'- 10"	4	9"	11'- 10"
10	10	25"	25"	9 3/4"	8"	30	30'- 0"	30	30'- 0"	8	8'- 0"	6	9"	29'- 4"	6	9"	32'- 7"	3	9"	3'- 7 3/4"	7'- 1"	5	9"	3'- 7 3/4"	7'- 7"	10'- 11"	5	6"	13'- 10"	4	9"	13'- 10"
10	12	25"	25"	11"	8"	30	30'- 0"	30	30'- 0"	10	10'- 0"	6	9"	29'- 4"	6	9"	32'- 10"	3	9"	3'- 9"	7'- 4"	6	9"	3'- 9"	8'- 7"	11'- 11"	7	9 1/2"	15'- 10"	4	9"	15'- 10"
12	6	29 1/4"	29 1/4"	8"	8"	36	36'- 0"	36	36'- 0"	4	4'- 0"	7	9"	34'- 6"	7	9"	38'- 4"	--	---	-----	-----	4	9"	3'- 10 3/4"	5'- 11 1/4"	9'- 7"	4	7 1/2"	10'- 6"	5	12"	10'- 6"
12	8	29"	29"	8"	8"	36	36'- 0"	36	36'- 0"	6	6'- 0"	7	9"	34'- 6"	7	9"	38'- 4"	3	9"	3'- 10 3/4"	7'- 7"	4	9"	3'- 10 3/4"	6'- 11"	10'- 7"	6	9 1/2"	12'- 6"	5	12"	12'- 6"
12	10	29 1/4"	29 1/4"	9 3/4"	8"	36	36'- 0"	36	36'- 0"	8	8'- 0"	7	8"	34'- 6"	7	8"	38'- 7"	3	8"	4'- 1/2"	7'- 11"	5	8"	4'- 1/2"	7'- 11 1/4"	11'- 8"	6	8"	14'- 6"	4	7 1/2"	14'- 6"
12	12	29 1/4"	29 1/4"	11 1/4"	8"	36	36'- 0"	36	36'- 0"	10	10'- 0"	7	8"	34'- 6"	7	8"	38'- 10"	3	8"	4'- 2"	8'- 2"	6	8"	4'- 2"	8'- 11 1/4"	12'- 8"	7	9 1/2"	16'- 6"	4	7 1/2"	16'- 6"

TRIPLE BOX CULVERTS
45 TO 50 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION

STRUCTURE
AND
BRIDGE
DIVISION