

SPAN (FT.)	HGHT (FT.)	REINFORCING STEEL (LBS/LONG. JT)	QUAN./LF		HEADWALLS							
			CONCRETE CLASS A4 (CY/LF)	REINFORCING STEEL (LBS/LF)	HEADWALL LENGTH	G SIZE	HW I LENGTH	INLET CONCRETE CL- A4 (CY)	INLET REINFORCING STEEL (LBS)	OUTLET CONCRETE CL- A4 (CY)	OUTLET REINFORCING STEEL (LBS)	WINGWALL
3	3	16.184	0.401	43.214	5'-10"	6	5'- 6"	1.038	33.044	1.042	33.044	A
3	4	17.596	0.450	47.658	5'-10"	6	5'- 6"	1.131	33.044	1.134	33.044	C
4	3	19.524	0.478	76.067	6'-10"	6	6'- 6"	1.127	39.052	1.134	39.052	A
4	4	20.936	0.530	71.065	6'-10"	6	6'- 6"	1.217	39.052	1.224	39.052	C
4	5	22.348	0.583	69.240	6'-10"	6	6'- 6"	1.307	39.052	1.313	39.052	E
4	6	23.760	0.620	73.490	6'-10"	6	6'- 6"	1.420	39.052	1.427	39.052	G
5	3	22.864	0.604	75.365	7'-10"	6	7'- 6"	1.259	45.060	1.269	45.060	B
5	4	24.276	0.653	82.805	7'-10"	6	7'- 6"	1.352	45.060	1.362	45.060	D
5	5	25.688	0.702	87.782	7'-10"	6	7'- 6"	1.444	45.060	1.455	45.060	F
5	6	27.100	0.761	93.049	7'-10"	6	7'- 6"	1.537	45.060	1.547	45.060	H
5	7	28.512	0.810	98.027	7'-10"	6	7'- 6"	1.630	45.060	1.640	45.060	J
6	4	27.616	0.809	103.222	8'-10"	6	8'- 6"	1.438	51.068	1.452	51.068	D
6	5	29.028	0.869	108.845	8'-10"	6	8'- 6"	1.530	51.068	1.544	51.068	F
6	6	30.440	0.918	114.151	8'-10"	6	8'- 6"	1.623	51.068	1.636	51.068	H
6	7	31.852	0.967	119.458	8'-10"	6	8'- 6"	1.715	51.068	1.729	51.068	J
6	8	33.264	1.015	132.139	8'-10"	6	8'- 6"	1.808	51.068	1.822	51.068	L
7	4	30.956	0.911	131.465	9'-10"	6	9'- 6"	1.521	57.076	1.539	57.076	D
7	6	33.780	1.021	150.857	9'-10"	6	9'- 6"	1.705	57.076	1.722	57.076	H
7	8	36.604	1.106	163.765	9'-10"	6	9'- 6"	1.892	57.076	1.909	57.076	L
7	10	39.428	1.188	213.675	9'-10"	6	9'- 6"	2.079	57.076	2.096	57.076	P
8	4	34.296	1.119	178.568	10'-10"	6	10'- 6"	1.604	63.084	1.625	63.084	E
8	6	37.120	1.219	164.493	10'-10"	6	10'- 6"	1.790	63.084	1.810	63.084	I
8	8	39.944	1.314	206.903	10'-10"	6	10'- 6"	1.975	63.084	1.995	63.084	M
8	10	42.768	1.393	281.120	10'-10"	6	10'- 6"	2.163	63.084	2.183	63.084	Q
9	4	37.636	1.325	195.380	11'-10"	6	11'- 6"	1.661	69.092	1.684	69.092	E
9	6	40.460	1.439	207.778	11'-10"	6	11'- 6"	1.843	69.092	1.867	69.092	I
9	8	43.284	1.537	212.512	11'-10"	6	11'- 6"	2.028	69.092	2.052	69.092	M
9	10	46.108	1.612	320.821	11'-10"	6	11'- 6"	2.217	69.092	2.241	69.092	Q
9	12	48.932	1.806	360.930	11'-10"	6	11'- 6"	2.292	69.092	2.315	69.092	U
10	4	40.976	1.516	225.295	12'-10"	6	12'- 6"	1.714	75.100	1.741	75.100	E
10	6	43.800	1.632	235.992	12'-10"	6	12'- 6"	1.896	75.100	1.923	75.100	I
10	8	46.624	1.764	251.874	12'-10"	6	12'- 6"	2.073	75.100	2.100	75.100	M
10	10	49.448	1.857	329.615	12'-10"	6	12'- 6"	2.259	75.100	2.286	75.100	Q
10	12	52.272	2.047	440.631	12'-10"	6	12'- 6"	2.332	75.100	2.358	75.100	U
12	6	50.480	2.096	274.333	14'-10"	6	14'- 6"	1.967	87.116	2.000	87.116	J
12	8	53.304	2.164	284.629	14'-10"	6	14'- 6"	2.182	87.116	2.215	87.116	N
12	10	56.128	2.255	391.169	14'-10"	6	14'- 6"	2.367	87.116	2.401	87.116	R
12	12	58.952	2.469	452.075	14'-10"	6	14'- 6"	2.434	87.116	2.466	87.116	V

SPECIFICATION  
REFERENCE

**SINGLE BOX CULVERTS**  
30 TO 35 FT. FILLS  
VIRGINIA DEPARTMENT OF TRANSPORTATION



ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 2 OF 2

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