

| SPAN (FT.) | HGHT (FT.) | REINFORCING STEEL (LBS/LONG. JT) | QUAN./LF | | HEADWALLS | | | | | | | |
|---------------|---------------|--|---------------------------------|----------------------------------|-------------------------|------------------------|----------------------------------|-------------------------------------|-----------------------------------|--------------------------------------|----------|--------|
| | | | CONCRETE CLASS A4 (CY/LF) | REINFORCING STEEL (LBS/LF) | G HEADWALL LENGTH | HW I SIZE 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 | 36.185 | | | | | | | | 5'-10" |
| 3 | 4 | 17.596 | 0.450 | 40.361 | 5'-10" | 6' | 5'- 6" | 1.131 | 33.044 | 1.134 | 33.044 | C |
| 4 | 3 | 19.524 | 0.450 | 45.279 | 6'-10" | 6' | 6'- 6" | 1.139 | 39.052 | 1.146 | 39.052 | A |
| 4 | 4 | 20.936 | 0.499 | 49.455 | 6'-10" | 6' | 6'- 6" | 1.232 | 39.052 | 1.239 | 39.052 | C |
| 4 | 5 | 22.348 | 0.548 | 53.631 | 6'-10" | 6' | 6'- 6" | 1.324 | 39.052 | 1.332 | 39.052 | E |
| 4 | 6 | 23.760 | 0.597 | 57.807 | 6'-10" | 6' | 6'- 6" | 1.417 | 39.052 | 1.424 | 39.052 | G |
| 5 | 3 | 22.864 | 0.498 | 64.065 | 7'-10" | 6' | 7'- 6" | 1.240 | 45.060 | 1.251 | 45.060 | A |
| 5 | 4 | 24.276 | 0.548 | 55.549 | 7'-10" | 6' | 7'- 6" | 1.333 | 45.060 | 1.343 | 45.060 | C |
| 5 | 5 | 25.688 | 0.597 | 59.725 | 7'-10" | 6' | 7'- 6" | 1.426 | 45.060 | 1.436 | 45.060 | E |
| 5 | 6 | 27.100 | 0.645 | 69.409 | 7'-10" | 6' | 7'- 6" | 1.518 | 45.060 | 1.529 | 45.060 | G |
| 5 | 7 | 28.512 | 0.695 | 73.585 | 7'-10" | 6' | 7'- 6" | 1.611 | 45.060 | 1.621 | 45.060 | I |
| 6 | 4 | 27.616 | 0.595 | 77.347 | 8'-10" | 6' | 8'- 6" | 1.434 | 51.068 | 1.448 | 51.068 | C |
| 6 | 5 | 29.028 | 0.644 | 86.051 | 8'-10" | 6' | 8'- 6" | 1.527 | 51.068 | 1.541 | 51.068 | E |
| 6 | 6 | 30.440 | 0.693 | 90.227 | 8'-10" | 6' | 8'- 6" | 1.620 | 51.068 | 1.633 | 51.068 | G |
| 6 | 7 | 31.852 | 0.742 | 105.600 | 8'-10" | 6' | 8'- 6" | 1.712 | 51.068 | 1.726 | 51.068 | I |
| 6 | 8 | 33.264 | 0.790 | 117.686 | 8'-10" | 6' | 8'- 6" | 1.805 | 51.068 | 1.819 | 51.068 | K |
| 7 | 4 | 30.956 | 0.644 | 89.885 | 9'-10" | 6' | 9'- 6" | 1.535 | 57.076 | 1.552 | 57.076 | C |
| 7 | 6 | 33.780 | 0.741 | 118.090 | 9'-10" | 6' | 9'- 6" | 1.721 | 57.076 | 1.738 | 57.076 | G |
| 7 | 8 | 36.604 | 0.839 | 128.310 | 9'-10" | 6' | 9'- 6" | 1.906 | 57.076 | 1.923 | 57.076 | K |
| 7 | 10 | 39.428 | 0.933 | 179.721 | 9'-10" | 6' | 9'- 6" | 2.092 | 57.076 | 2.109 | 57.076 | O |
| 8 | 4 | 34.296 | 0.691 | 125.067 | 10'-10" | 6' | 10'- 6" | 1.636 | 63.084 | 1.657 | 63.084 | C |
| 8 | 6 | 37.120 | 0.788 | 138.922 | 10'-10" | 6' | 10'- 6" | 1.822 | 63.084 | 1.842 | 63.084 | G |
| 8 | 8 | 39.944 | 0.886 | 159.699 | 10'-10" | 6' | 10'- 6" | 2.007 | 63.084 | 2.028 | 63.084 | K |
| 8 | 10 | 42.768 | 0.984 | 168.985 | 10'-10" | 6' | 10'- 6" | 2.193 | 63.084 | 2.213 | 63.084 | O |
| 9 | 4 | 37.636 | 0.738 | 149.809 | 11'-10" | 6' | 11'- 6" | 1.738 | 69.092 | 1.761 | 69.092 | C |
| 9 | 6 | 40.460 | 0.836 | 165.793 | 11'-10" | 6' | 11'- 6" | 1.923 | 69.092 | 1.947 | 69.092 | G |
| 9 | 8 | 43.284 | 0.950 | 168.414 | 11'-10" | 6' | 11'- 6" | 2.105 | 69.092 | 2.129 | 69.092 | K |
| 9 | 10 | 46.108 | 1.031 | 193.575 | 11'-10" | 6' | 11'- 6" | 2.294 | 69.092 | 2.318 | 69.092 | O |
| 9 | 12 | 48.932 | 1.145 | 203.610 | 11'-10" | 6' | 11'- 6" | 2.476 | 69.092 | 2.500 | 69.092 | S |
| 10 | 4 | 40.976 | 0.837 | 189.993 | 12'-10" | 6' | 12'- 6" | 1.827 | 75.100 | 1.854 | 75.100 | C |
| 10 | 6 | 43.800 | 0.936 | 187.456 | 12'-10" | 6' | 12'- 6" | 2.013 | 75.100 | 2.040 | 75.100 | G |
| 10 | 8 | 46.624 | 1.030 | 244.869 | 12'-10" | 6' | 12'- 6" | 2.198 | 75.100 | 2.225 | 75.100 | K |
| 10 | 10 | 49.448 | 1.130 | 231.036 | 12'-10" | 6' | 12'- 6" | 2.383 | 75.100 | 2.411 | 75.100 | O |
| 10 | 12 | 52.272 | 1.263 | 245.294 | 12'-10" | 6' | 12'- 6" | 2.580 | 75.100 | 2.607 | 75.100 | T |
| 12 | 6 | 50.480 | 1.100 | 263.413 | 14'-10" | 6' | 14'- 6" | 2.213 | 87.116 | 2.246 | 87.116 | H |
| 12 | 8 | 53.304 | 1.218 | 286.836 | 14'-10" | 6' | 14'- 6" | 2.393 | 87.116 | 2.426 | 87.116 | L |
| 12 | 10 | 56.128 | 1.317 | 275.717 | 14'-10" | 6' | 14'- 6" | 2.578 | 87.116 | 2.612 | 87.116 | P |
| 12 | 12 | 58.952 | 1.474 | 326.824 | 14'-10" | 6' | 14'- 6" | 2.747 | 87.116 | 2.781 | 87.116 | T |

SPECIFICATION
REFERENCE

SINGLE BOX CULVERTS 2 TO 5 FT. FILLS

VIRGINIA DEPARTMENT OF TRANSPORTATION



ROAD AND BRIDGE STANDARDS

REVISION DATE

SHEET 2 OF 2

1002.06