| STATE | PROJECT NO. |
|---|---|
| MISS. | |

# GENERAL DATA & ESTIMATED QUANTITIES FOR BOX CULVERTS UNDER HIGH COVER

## MAX. 25 FT. COVER ~ L = 150 FT.

| AREA OF OPENING SQ. FT. | SIZE OF CULVERT | MOD. DWG. NO. | "T" | "V" | "W" | BARS "A1" SIZE | BARS "A1" SPAC. IN. | BARS "A2" SIZE | BARS "A2" SPAC. IN. | BARS "B" SIZE | BARS "B" SPAC. IN. | ESTIMATED QUANTITIES TOTAL CULVERT CONC. CU.YDS. | TOTAL CULVERT REINF. LBS. | PER LIN. FT. BARREL CONC. CU.YDS. | PER LIN. FT. BARREL REINF. LBS. | 1 AUX. SLAB "J" CONC. CU.YDS. | 1 AUX. SLAB "J" REINF. LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 4x4 | | 6" | 6" | 1'-0" | #5 | 1'-4" | #5 | 1'-4" | #5 | 8" | 55.77 | 11,178 | 0.3339 | 69.95 | 0.25 | 15 |
| 20 | 5x4 | | 7" | 6½" | 1'-1" | #5 | 1'-0" | #5 | 1'-0" | #5 | 7" | 69.80 | 13,924 | 0.4234 | 87.80 | 0.30 | 18 |
| 24 | 6x4 | | 8" | 7" | 1'-2" | #6 | 1'-2" | #6 | 1'-2" | #5 | 6" | 85.84 | 17,707 | 0.5267 | 112.67 | 0.35 | 20 |
| 28 | 7x4 | | 9" | 7½" | 1'-3" | #7 | 1'-4" | #7 | 1'-4" | #6 | 7" | 103.91 | 22,464 | 0.6435 | 143.99 | 0.41 | 24 |
| 32 | 8x4 | | 10" | 8" | 1'-4" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 123.98 | 27,208 | 0.7737 | 175.28 | 0.46 | 27 |
| 36 | 9x4 | | 11" | 9" | 1'-5" | #8 | 1'-4" | #8 | 1'-4" | #7 | 7" | 148.76 | 33,338 | 0.9352 | 215.71 | 0.52 | 30 |
| 40 | 10x4 | | 1'-1½" | 9½" | 1'-5½" | #8 | 1'-2" | #8 | 1'-2" | #7 | 7" | 167.51 | 38,026 | 1.0560 | 246.24 | 0.57 | 32 |
| 25 | 5x5 | | 7" | 6½" | 1'-5" | #6 | 1'-4" | #6 | 1'-4" | #5 | 7" | 77.51 | 15,569 | 0.4635 | 97.35 | 0.30 | 18 |
| 30 | 6x5 | | 8" | 7" | 1'-6" | #7 | 1'-4" | #7 | 1'-4" | #6 | 8" | 94.05 | 20,998 | 0.5699 | 133.32 | 0.35 | 21 |
| 35 | 7x5 | | 9" | 7½" | 1'-7" | #7 | 1'-2" | #7 | 1'-2" | #6 | 7" | 112.65 | 25,156 | 0.6898 | 160.25 | 0.41 | 24 |
| 40 | 8x5 | | 10" | 8½" | 1'-8" | #7 | 1'-0" | #7 | 1'-0" | #6 | 6" | 136.33 | 30,696 | 0.8436 | 197.26 | 0.47 | 27 |
| 45 | 9x5 | | 11" | 9" | 1'-9" | #7 | 1'-0" | #7 | 1'-0" | #6 | 5" | 158.99 | 35,613 | 0.9907 | 229.70 | 0.52 | 30 |
| 50 | 10x5 | | 1'-0½" | 10½" | 1'-10½" | #8 | 1'-2" | #8 | 1'-2" | #7 | 6" | 195.64 | 43,301 | 1.2307 | 280.19 | 0.58 | 33 |
| 60 | 12x5 | | 1'-2" | 11½" | 2'-0" | #8 | 1'-0" | #8 | 1'-0" | #7 | 6" | 245.85 | 51,703 | 1.5576 | 335.89 | 0.69 | 38 |
| 24 | 4x6 | | 6" | 6½" | 1'-1" | #5 | 1'-2" | #5 | 1'-2" | #5 | 6" | 76.03 | 15,916 | 0.4290 | 97.76 | 0.25 | 15 |
| 36 | 6x6 | | 8" | 7½" | 1'-3" | #7 | 1'-4" | #7 | 1'-4" | #6 | 7" | 108.64 | 23,911 | 0.6358 | 150.06 | 0.36 | 21 |
| 48 | 8x6 | | 10" | 8½" | 1'-5" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 149.27 | 30,777 | 0.8961 | 195.00 | 0.47 | 27 |
| 60 | 10x6 | | 1'-0" | 10" | 1'-7" | #8 | 1'-2" | #8 | 1'-2" | #7 | 7" | 201.64 | 42,114 | 1.2346 | 269.21 | 0.58 | 33 |
| 72 | 12x6 | | 1'-2" | 11½" | 1'-9" | #8 | 1'-0" | #8 | 1'-0" | #7 | 6" | 262.31 | 53,744 | 1.6286 | 346.73 | 0.69 | 38 |
| 84 | 14x6 | | 1'-4" | 1'-1½" | 1'-11" | #9 | 1'-2" | #9 | 1'-2" | #8 | 6" | 335.37 | 71,085 | 2.1050 | 460.81 | 0.80 | 44 |
| 96 | 16x6 | | 1'-5½" | 1'-3" | 2'-0½" | #9 | 1'-0" | #9 | 1'-0" | #8 | 5" | 404.26 | 90,275 | 2.5540 | 588.62 | 0.91 | 50 |
| 108 | 18x6 | | 1'-7½" | 1'-5" | 2'-2½" | #10 | 1'-2" | #10 | 1'-2" | #10 | 7" | 493.39 | 111,536 | 3.1374 | 727.13 | 1.03 | 56 |
| 120 | 20x6 | | 1'-9" | 1'-6½" | 2'-4" | #10 | 1'-0" | #10 | 1'-0" | #10 | 6" | 575.95 | 138,175 | 3.6775 | 906.27 | 1.14 | 62 |
| 64 | 8x8 | | 10½" | 9½" | 1'-10½" | #7 | 1'-1" | #7 | 1'-1" | #6 | 5½" | 190.26 | 37,505 | 1.0903 | 232.30 | 0.47 | 27 |
| 80 | 10x8 | | 1'-0½" | 10½" | 2'-0½" | #8 | 1'-2" | #8 | 1'-2" | #7 | 6½" | 243.10 | 48,374 | 1.4251 | 303.47 | 0.58 | 33 |
| 96 | 12x8 | | 1'-3" | 11½" | 2'-3" | #9 | 1'-2" | #9 | 1'-2" | #8 | 7½" | 310.59 | 62,586 | 1.8565 | 396.44 | 0.69 | 38 |
| 112 | 14x8 | | 1'-4½" | 1'-1½" | 2'-4½" | #8 | 1'0" | #8 | 1'0" | #8 | 6" | 383.01 | 79,693 | 2.3218 | 509.99 | 0.80 | 44 |
| 128 | 16x8 | | 1'-6½" | 1'-3" | 2'-6½" | #9 | 1'0" | #9 | 1'0" | #8 | 5½" | 465.55 | 100,435 | 2.8534 | 647.44 | 0.91 | 50 |
| 144 | 18x8 | | 1'-8" | 1'-5" | 2'-8" | #9 | 1'0" | #9 | 1'0" | #9 | 6" | 552.01 | 118,099 | 3.4115 | 763.88 | 1.03 | 56 |
| 100 | 10x10 | | 1'-0½" | 11½" | 3'-0½" | #7 | 1'0" | #7 | 1'0" | #7 | 6" | 283.51 | 55,883 | 1.6293 | 346.46 | 0.59 | 33 |
| 120 | 12x10 | | 1'-2½" | 1'-1" | 3'-2½" | #8 | 1'1" | #8 | 1'1" | #7 | 5" | 352.21 | 71,239 | 2.0705 | 447.80 | 0.70 | 39 |
| 140 | 14x10 | | 1'-4½" | 1'-2" | 3'-4½" | #9 | 1'-0" | #9 | 1'-0" | #8 | 6" | 423.38 | 86,798 | 2.5278 | 550.15 | 0.81 | 45 |
| 160 | 16x10 | | 1'-6½" | 1'-4" | 3'-6½" | #9 | 1'1" | #9 | 1'1" | #9 | 6½" | 514.76 | 106,165 | 3.1194 | 679.51 | 0.92 | 51 |
| 180 | 18x10 | | 1'-9" | 1'-5" | 3'-9" | #10 | 1'-0" | #10 | 1'-0" | #9 | 6" | 612.21 | 127,147 | 3.7500 | 816.77 | 1.03 | 56 |
| 144 | 12x12 | | 1'-3" | 1'-1½" | 4'-0" | #8 | 1'1" | #8 | 1'1" | #8 | 6" | 404.44 | 80,999 | 2.3194 | 501.97 | 0.70 | 39 |
| 168 | 14x12 | | 1'-5½" | 1'-2½" | 4'-2½" | #9 | 1'1" | #9 | 1'1" | #8 | 5½" | 486.72 | 100,129 | 2.8475 | 628.39 | 0.81 | 45 |
| 192 | 16x12 | | 1'-7½" | 1'-3½" | 4'-4½" | #9 | 1'0" | #9 | 1'0" | #9 | 6½" | 570.30 | 116,777 | 3.3851 | 738.79 | 0.92 | 50 |
| 216 | 18x12 | | 1'-9" | 1'-5½" | 4'-6" | #10 | 1'1" | #10 | 1'1" | #9 | 6" | 666.51 | 139,197 | 4.0077 | 886.11 | 1.03 | 56 |

## MAX. 30 FT. COVER ~ L = 150 FT.

| SIZE OF CULVERT | "T" | "V" | "W" | BARS "A1" SIZE | BARS "A1" SPAC. IN. | BARS "A2" SIZE | BARS "A2" SPAC. IN. | BARS "B" SIZE | BARS "B" SPAC. IN. | ESTIMATED QUANTITIES TOTAL CULVERT CONC. CU.YDS. | TOTAL CULVERT REINF. LBS. | PER LIN. FT. BARREL CONC. CU.YDS. | PER LIN. FT. BARREL REINF. LBS. | 1 AUX. SLAB "J" CONC. CU.YDS. | 1 AUX. SLAB "J" REINF. LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4x4 | 6½" | 6" | 1'-0½" | #5 | 1'-2" | #5 | 1'-2" | #5 | 7" | 58.11 | 12,216 | 0.3488 | 76.68 | 0.25 | 15 |
| 5x4 | 7½" | 7" | 1'-1½" | #6 | 1'-3" | #6 | 1'-3" | #5 | 6" | 75.07 | 15,587 | 0.4583 | 99.03 | 0.30 | 18 |
| 6x4 | 8½" | 7½" | 1'-2½" | #6 | 1'-0" | #6 | 1'-0" | #5 | 6" | 91.73 | 18,777 | 0.5656 | 119.92 | 0.36 | 21 |
| 7x4 | 9½" | 8½" | 1'-3½" | #7 | 1'-2" | #7 | 1'-2" | #6 | 7" | 112.94 | 23,976 | 0.7034 | 153.84 | 0.42 | 24 |
| 8x4 | 10½" | 9" | 1'-4½" | #7 | 1'-0" | #7 | 1'-0" | #6 | 6" | 133.67 | 29,226 | 0.8380 | 188.96 | 0.47 | 27 |
| 9x4 | 11½" | 10" | 1'-5½" | #8 | 1'-3" | #8 | 1'-3" | #7 | 7" | 159.14 | 34,654 | 1.0041 | 224.46 | 0.53 | 30 |
| 10x4 | 1'-0½" | 10½" | 1'-6½" | #8 | 1'-2" | #8 | 1'-2" | #7 | 6" | 183.93 | 41,244 | 1.1659 | 268.00 | 0.58 | 33 |
| 5x5 | 7½" | 7" | 1'-5½" | #6 | 1'-2" | #6 | 1'-2" | #5 | 6" | 83.24 | 17,351 | 0.5015 | 109.26 | 0.30 | 18 |
| 6x5 | 8½" | 7½" | 1'-6½" | #7 | 1'-4" | #7 | 1'-4" | #5 | 5" | 100.40 | 21,882 | 0.6119 | 139.21 | 0.36 | 21 |
| 7x5 | 9½" | 8" | 1'-7½" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 119.55 | 27,101 | 0.7356 | 173.42 | 0.41 | 24 |
| 8x5 | 11" | 9" | 1'-9" | #7 | 1'-0" | #7 | 1'-0" | #6 | 5" | 148.29 | 33,596 | 0.9229 | 216.59 | 0.47 | 27 |
| 9x5 | 1'-0" | 9½" | 1'-10" | #7 | 1'0" | #7 | 1'0" | #6 | 5" | 172.03 | 38,625 | 1.0772 | 249.76 | 0.52 | 30 |
| 10x5 | 1'-1½" | 11" | 1'-11½" | #8 | 11" | #8 | 11" | #7 | 6" | 209.94 | 48,067 | 1.3256 | 312.43 | 0.58 | 33 |
| 12x5 | 1'-2½" | 1'-0" | 2'-0½" | #8 | 1'0" | #8 | 1'0" | #7 | 5" | 255.75 | 60,843 | 1.6234 | 396.80 | 0.69 | 39 |
| 4x6 | 6½" | 7" | 1'-1½" | #5 | 1'-2" | #5 | 1'-2" | #5 | 6" | 81.73 | 16,067 | 0.4666 | 98.75 | 0.26 | 15 |
| 6x6 | 8½" | 8" | 1'-3½" | #7 | 1'-4" | #7 | 1'-4" | #6 | 6" | 115.46 | 25,842 | 0.6810 | 163.15 | 0.36 | 21 |
| 8x6 | 10½" | 9" | 1'-5½" | #7 | 1'-0" | #7 | 1'-0" | #6 | 5" | 157.27 | 35,367 | 0.9491 | 225.88 | 0.47 | 27 |
| 10x6 | 1'-1" | 10½" | 1'-8" | #8 | 1'-0" | #8 | 1'-0" | #7 | 6" | 216.31 | 48,055 | 1.3318 | 309.58 | 0.58 | 33 |
| 12x6 | 1'-3" | 1'-0" | 1'-10" | #8 | 10" | #8 | 10" | #7 | 5" | 279.22 | 63,254 | 1.7407 | 410.10 | 0.69 | 39 |
| 14x6 | 1'-5" | 1'-2" | 2'-0" | #9 | 11" | #9 | 11" | #8 | 6" | 354.63 | 79,315 | 2.2326 | 516.65 | 0.81 | 45 |
| 16x6 | 1'-6½" | 1'-4" | 2'-1½" | #9 | 10" | #9 | 10" | #8 | 5" | 429.92 | 98,997 | 2.7243 | 646.72 | 0.92 | 51 |
| 18x6 | 1'-9" | 1'-6" | 2'-4" | #10 | 11" | #10 | 11" | #10 | 7" | 531.27 | 125,466 | 3.3885 | 821.41 | 1.04 | 57 |
| 20x6 | | | | | | | | | | | | | | | |
| 8x8 | 11" | 10" | 1'-11" | #7 | 1'-0" | #7 | 1'-0" | #6 | 5" | 199.41 | 40,433 | 1.1502 | 251.46 | 0.48 | 27 |
| 10x8 | 1'-1½" | 11" | 2'-1½" | #8 | 1'-1" | #8 | 1'-1" | #7 | 6" | 258.95 | 51,800 | 1.5293 | 326.53 | 0.58 | 33 |
| 12x8 | 1'-4" | 1'-0½" | 2'-4" | #9 | 1'-1" | #9 | 1'-1" | #8 | 7" | 333.63 | 67,161 | 2.0082 | 427.41 | 0.70 | 39 |
| 14x8 | 1'-5½" | 1'-2½" | 2'-5½" | #9 | 11" | #9 | 11" | #9 | 7½" | 408.45 | 86,739 | 2.4894 | 557.13 | 0.81 | 45 |
| 16x8 | 1'-8" | 1'-4" | 2'-8" | #9 | 10" | #9 | 10" | #9 | 6½" | 502.19 | 105,411 | 3.0947 | 681.32 | 0.92 | 51 |
| 18x8 | | | | | | | | | | | | | | | |
| 10x10 | 1'-1½" | 1'-0½" | 3'-1½" | #7 | 10" | #7 | 10" | #7 | 5½" | 306.22 | 58,983 | 1.7786 | 366.80 | 0.60 | 33 |
| 12x10 | 1'-3½" | 1'-1½" | 3'-3½" | #8 | 10" | #8 | 10" | #8 | 6" | 371.44 | 77,810 | 2.1968 | 491.39 | 0.70 | 39 |
| 14x10 | 1'-5½" | 1'-3" | 3'-5½" | #9 | 11" | #9 | 11" | #8 | 5½" | 450.76 | 94,306 | 2.7083 | 600.63 | 0.81 | 45 |
| 16x10 | 1'-8" | 1'-5" | 3'-8" | #9 | 10" | #9 | 10" | #9 | 6" | 553.57 | 115,992 | 3.3746 | 743.46 | 0.93 | 51 |
| 18x10 | | | | | | | | | | | | | | | |
| 12x12 | 1'-4" | 1'-2½" | 4'-1" | #9 | 1'-1" | #9 | 1'-1" | #8 | 6" | 431.60 | 83,803 | 2.4979 | 520.96 | 0.71 | 39 |
| 14x12 | 1'-7" | 1'-3½" | 4'-4" | #9 | 11" | #9 | 11" | #8 | 5½" | 524.13 | 101,341 | 3.0931 | 636.36 | 0.82 | 45 |
| 16x12 | 1'-9" | 1'-4½" | 4'-6" | #10 | 1'-0" | #10 | 1'-0" | #9 | 6" | 611.05 | 125,367 | 3.6528 | 794.66 | 0.93 | 51 |

## MAX. 35 FT. COVER ~ L = 150 FT.

| SIZE OF CULVERT | "T" | "V" | "W" | BARS "A1" SIZE | BARS "A1" SPAC. IN. | BARS "A2" SIZE | BARS "A2" SPAC. IN. | BARS "B" SIZE | BARS "B" SPAC. IN. | ESTIMATED QUANTITIES TOTAL CULVERT CONC. CU.YDS. | TOTAL CULVERT REINF. LBS. | PER LIN. FT. BARREL CONC. CU.YDS. | PER LIN. FT. BARREL REINF. LBS. | 1 AUX. SLAB "J" CONC. CU.YDS. | 1 AUX. SLAB "J" REINF. LBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4x4 | 6½" | 6½" | 1'-0½" | #5 | 1'-0" | #5 | 1'-0" | #5 | 7" | 60.47 | 12,737 | 0.3645 | 80.20 | 0.25 | 15 |
| 5x4 | 8" | 7" | 1'-2" | #5 | .0" | #5 | 10" | #5 | 6" | 77.96 | 15,822 | 0.4774 | 100.57 | 0.30 | 18 |
| 6x4 | 9" | 7½" | 1'-3" | #6 | 1'-0" | #6 | 1'-0" | #5 | 5" | 95.11 | 20,249 | 0.5880 | 129.72 | 0.36 | 21 |
| 7x4 | 10" | 8½" | 1'-4" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 116.87 | 25,619 | 0.7294 | 165.01 | 0.42 | 24 |
| 8x4 | 11" | 9" | 1'-5" | #7 | 1'-0" | #7 | 1'-0" | #6 | 5" | 138.09 | 31,691 | 0.8673 | 205.38 | 0.47 | 27 |
| 9x4 | 1'-0" | 10" | 1'-6" | #8 | 1'-2" | #8 | 1'-2" | #7 | 6" | 164.10 | 38,278 | 1.0370 | 248.60 | 0.53 | 30 |
| 10x4 | 1'-1" | 11" | 1'-7" | #8 | 1'-0" | #8 | 1'-0" | #7 | 6" | 192.26 | 44,209 | 1.2212 | 288.14 | 0.58 | 33 |
| 5x5 | 8" | 7" | 1'-6" | #6 | 1'-2" | #6 | 1'-2" | #5 | 5" | 86.13 | 18,885 | 0.5206 | 119.27 | 0.30 | 18 |
| 6x5 | 9" | 8" | 1'-7" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 106.80 | 25,226 | 0.6543 | 161.29 | 0.36 | 21 |
| 7x5 | 10" | 8½" | 1'-8" | #7 | 1'-0" | #7 | 1'-0" | #6 | 6" | 126.55 | 28,771 | 0.7819 | 184.76 | 0.42 | 24 |
| 8x5 | 1'-1½" | 9½" | 1'-9½" | #7 | 11" | #7 | 11" | #6 | 5" | 155.01 | 34,926 | 0.9735 | 225.51 | 0.47 | 27 |
| 9x5 | 1'-0½" | 10" | 1'-10½" | #7 | 10" | #7 | 10" | #6 | 5" | 180.25 | 38,929 | 1.1317 | 251.78 | 0.53 | 30 |
| 10x5 | 1'-2" | 11½" | 2'-0" | #8 | 11" | #8 | 11" | #7 | 6" | 218.87 | 48,490 | 1.3848 | 315.27 | 0.59 | 33 |
| 12x5 | 1'-3½" | 1'-1" | 2'-1½" | #8 | 10" | #8 | 10" | #7 | 5" | 275.82 | 61,656 | 1.7567 | 402.21 | 0.70 | 39 |
| 4x6 | 7" | 7½" | 1'-2" | #5 | 1'-2" | #5 | 1'-2" | #5 | 6" | 87.48 | 16,218 | 0.5046 | 99.75 | 0.26 | 15 |
| 6x6 | 9" | 8½" | 1'-4" | #7 | 1'-2" | #7 | 1'-2" | #6 | 6" | 122.40 | 27,055 | 0.7268 | 171.04 | 0.37 | 21 |
| 8x6 | 11" | 9½" | 1'-6" | #7 | 10" | #7 | 10" | #6 | 5" | 165.34 | 37,982 | 1.0026 | 243.29 | 0.47 | 27 |
| 10x6 | 1'-1½" | 11½" | 1'-8½" | #8 | 11" | #8 | 11" | #7 | 6" | 229.45 | 50,339 | 1.4190 | 324.91 | 0.59 | 33 |
| 12x6 | 1'-3½" | 1'-1" | 1'-10½" | #8 | 10" | #8 | 10" | #7 | 5" | 293.73 | 63,944 | 1.8370 | 414.70 | 0.70 | 39 |
| 14x6 | 1'-6" | 1'-3" | 2'-1" | #9 | 11" | #9 | 11" | #8 | 6" | 378.16 | 80,315 | 2.3889 | 523.19 | 0.81 | 45 |
| 16x6 | 1'-8" | 1'-5" | 2'-3" | #9 | 10" | #9 | 10" | #8 | 5" | 464.65 | 100,211 | 2.9548 | 654.78 | 0.93 | 51 |
| 18x6 | | | | | | | | | | | | | | | |
| 8x8 | 1'-1½" | 10½" | 1'-11½" | #7 | 10" | #7 | 10" | #7 | 6½" | 208.55 | 44,196 | 1.2106 | 276.98 | 0.48 | 27 |
| 10x8 | 1'-2" | 1'-0" | 2'-2" | #8 | 1'-0" | #8 | 1'-0" | #8 | 7½" | 274.15 | 55,459 | 1.6296 | 350.51 | 0.59 | 33 |
| 12x8 | 1'-5" | 1'-1" | 2'-5" | #9 | 1'-0" | #9 | 1'-0" | #8 | 6½" | 351.93 | 72,055 | 2.1286 | 460.75 | 0.70 | 39 |
| 14x8 | 1'-6½" | 1'-3" | 2'-6½" | #9 | 10" | #9 | 10" | #9 | 6½" | 429.04 | 96,892 | 2.6250 | 625.50 | 0.81 | 45 |
| 16x8 | 1'-9" | 1'-4½" | 2'-9" | #10 | 1'-0" | #10 | 1'-0" | #9 | 6" | 525.10 | 112,813 | 3.2454 | 729.57 | 0.93 | 51 |
| 10x10 | 1'-2" | 1'-1" | 3'-2" | #8 | 1'-0" | #8 | 1'-0" | #7 | 5" | 317.65 | 63,842 | 1.8539 | 399.39 | 0.60 | 33 |
| 12x10 | 1'-4½" | 1'-2½" | 3'-4½" | #8 | 10" | #8 | 10" | #8 | 6" | 396.75 | 78,755 | 2.3634 | 497.64 | 0.71 | 39 |
| 14x10 | 1'-6½" | 1'-4" | 3'-6½" | #9 | 11" | #9 | 11" | #8 | 5" | 478.51 | 99,811 | 2.8910 | 637.02 | 0.82 | 45 |
| 16x10 | 1'-9" | 1'-6" | 3'-9" | #10 | 1'-0" | #10 | 1'-0" | #9 | 5½" | 583.86 | 124,770 | 3.5741 | 802.28 | 0.94 | 51 |
| 12x12 | 1'-4½" | 1'-3" | 4'-1½" | #9 | 1'-0" | #9 | 1'-0" | #8 | 5½" | 445.32 | 90,319 | 2.5880 | 564.03 | 0.72 | 39 |
| 14x12 | 1'-8" | 1'-4½" | 4'-5" | #9 | 10" | #9 | 10" | #8 | 5" | 554.09 | 110,954 | 3.2902 | 699.82 | 0.83 | 45 |

GENERAL NOTES:

This Drawing Shows The Additional Reinforcing Bars And The Increased Dimensions And Reinforcing Bar Sizes Necessary To Modify A Single Cell Culvert For Cover Less Than Or In Excess Of That Provided By Basic Culvert Drawings.

All Other Dimensions, Reinforcement Details And General Requirements Of Basic Culvert Drawings Shall Apply Except As Specifically Modified By This Drawing.

Barrel Details Shown On This Drawing Shall Be Used With Cover Less Than 2'-6" And More Than Maximum Shown On Basic Culvert Drawing.

Quantities Shown On This Drawing Are For Culverts With Barrels Per This Drawing And Wings With 2:1 Slope Per This Drawing And Basic Culvert Drawings.

Quantities Shown On This Drawing Are For Culverts Constructed Normal To The Centerline Of The Roadway.

Quantities Shown On This Drawing For "TOTAL CULVERT" Are For Complete Culvert Of The Length Noted And Include Barrel, Parapets, Wings, Aprons, Cut-Off Walls, Auxiliary Slabs "W", Where Required, And Two Auxiliary Slabs "J".

Quantities Shown On This Drawing Will Be Used As A Basis For Final Payment On Culverts Constructed In Accordance With This Drawing And Basic Culvert Drawings.

| DATE | REVISION | BY |
|---|---|---|
| | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**BOX CULVERT DRAWING**
**IBS CULVERTS MODIFIED**
**FOR HIGH COVER**
**WINGS WITH 2:1 SLOPE**

WORKING NUMBER
SD-IBSM-2W

SHEET NUMBER

FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

COUNTY:

DESIGN TEAM:

PROJECT NO.:

FILENAME: