

Table 1: Girder Only

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 0.75 | 10.50 | 55.38 | 581.44 | 0.49 | 8995.83 |
| Web | 54.00 | 0.50 | 27.00 | 28.00 | 756.00 | 6561.00 | 6657.90 |
| Bottom Flange | 14.00 | 1.00 | 14.00 | 0.50 | 7.00 | 1.17 | 9180.21 |
| | - | - | 51.50 | - | - | - | 24833.94 |

Table 2: Composite Section (Short Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 1.38 | 10.50 | 55.38 | 581.44 | 0.49 | 263.67 |
| Web | 54.00 | 0.50 | 27.00 | 28.00 | 756.00 | 6561.00 | 20070.48 |
| Bottom Flange | 14.00 | 1.38 | 14.00 | 0.50 | 7.00 | 1.17 | 34817.35 |
| Slab | 103.00 | 8.00 | 103.00 | 62.50 | 6437.50 | 549.33 | 15708.11 |
| | - | - | 154.50 | - | - | - | 70859.61 |

Table 3: Composite Section (Long Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 2.62 | 10.50 | 55.38 | 581.44 | 0.49 | 2273.04 |
| Web | 54.00 | 0.50 | 27.00 | 28.00 | 756.00 | 6561.00 | 10890.73 |
| Bottom Flange | 14.00 | 2.62 | 14.00 | 0.50 | 7.00 | 1.17 | 22584.49 |
| Slab | 103.00 | 8.00 | 34.33 | 62.50 | 2145.83 | 183.11 | 16554.59 |
| | - | - | 85.83 | - | - | - | 52302.85 |

Table 4: Composite Section (Reinforcement Only)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 0.75 | 10.50 | 55.38 | 581.44 | 0.49 | 5145.78 |
| Web | 54.00 | 0.50 | 27.00 | 28.00 | 756.00 | 6561.00 | 7301.92 |
| Bottom Flange | 14.00 | 1.00 | 14.00 | 0.50 | 7.00 | 1.17 | 15006.45 |
| Reinforcement | - | - | 12.77 | 62.00 | 791.86 | 0.00 | 10565.34 |
| | - | - | 64.27 | - | - | - | 38019.48 |

Table 5: Girder Only

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 1.38 | 19.25 | 56.06 | 1079.20 | 3.03 | 14760.04 |
| Web | 54.00 | 0.50 | 27.00 | 28.38 | 766.12 | 6561.00 | 6561.00 |
| Bottom Flange | 14.00 | 1.38 | 19.25 | 0.69 | 13.23 | 3.03 | 14760.04 |
| | - | - | 65.50 | - | - | - | 36081.08 |

Table 6: Composite Section (Short Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 2.62 | 19.25 | 56.06 | 1079.20 | 3.03 | 841.18 |
| Web | 54.00 | 0.50 | 27.00 | 28.38 | 766.12 | 6561.00 | 18569.16 |
| Bottom Flange | 14.00 | 2.62 | 19.25 | 0.69 | 13.23 | 3.03 | 45801.65 |
| Slab | 103.00 | 8.00 | 103.00 | 62.88 | 6476.12 | 549.33 | 19074.33 |
| | - | - | 168.50 | - | - | - | 84286.32 |

Table 7: Composite Section (Long Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 0.75 | 19.25 | 56.06 | 1079.20 | 3.03 | 4822.44 |
| Web | 54.00 | 0.50 | 27.00 | 28.38 | 766.12 | 6561.00 | 10361.87 |
| Bottom Flange | 14.00 | 1.00 | 19.25 | 0.69 | 13.23 | 3.03 | 30117.39 |
| Slab | 103.00 | 8.00 | 34.33 | 62.88 | 2158.71 | 183.11 | 17773.91 |
| | - | - | 99.83 | - | - | - | 63075.61 |

Table 8: Composite Section (Reinforcement Only)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 1.38 | 19.25 | 56.06 | 1079.20 | 3.03 | 9438.62 |
| Web | 54.00 | 0.50 | 27.00 | 28.38 | 766.12 | 6561.00 | 7392.05 |
| Bottom Flange | 14.00 | 1.38 | 19.25 | 0.69 | 13.23 | 3.03 | 21266.47 |
| Reinforcement | - | - | 12.77 | 62.38 | 796.65 | 0.00 | 10339.19 |
| | - | - | 78.27 | - | - | - | 48436.33 |

Table 9: Girder Only

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 2.62 | 36.75 | 57.94 | 2129.20 | 21.10 | 29479.82 |
| Web | 54.00 | 0.50 | 27.00 | 29.62 | 799.88 | 6561.00 | 6561.00 |
| Bottom Flange | 14.00 | 2.62 | 36.75 | 1.31 | 48.23 | 21.10 | 29479.82 |
| | - | - | 100.50 | - | - | - | 65520.63 |

Table 10: Composite Section (Short Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 0.75 | 36.75 | 57.94 | 2129.20 | 21.10 | 4347.87 |
| Web | 54.00 | 0.50 | 27.00 | 29.62 | 799.88 | 6561.00 | 14793.80 |
| Bottom Flange | 14.00 | 1.00 | 36.75 | 1.31 | 48.23 | 21.10 | 77023.27 |
| Slab | 103.00 | 8.00 | 103.00 | 64.12 | 6604.88 | 549.33 | 30449.85 |
| | - | - | 203.50 | - | - | - | 126614.80 |

Table 11: Composite Section (Long Term)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 1.38 | 36.75 | 57.94 | 2129.20 | 21.10 | 14034.85 |
| Web | 54.00 | 0.50 | 27.00 | 29.62 | 799.88 | 6561.00 | 8644.72 |
| Bottom Flange | 14.00 | 1.38 | 36.75 | 1.31 | 48.23 | 21.10 | 50597.13 |
| Slab | 103.00 | 8.00 | 34.33 | 64.12 | 2201.62 | 183.11 | 22886.56 |
| | - | - | 134.83 | - | - | - | 96163.26 |

Table 12: Composite Section (Reinforcement Only)

| Shape | Width(b) in | Depth(d) in | Area(A) in^2 | CG(y_c) in | Ay_c in^3 | I_o in^4 | I in^4 |
|---------------|----------------|----------------|-------------------|-------------------|------------------|-----------------|-------------|
| Top Flange | 14.00 | 2.62 | 36.75 | 57.94 | 2129.20 | 21.10 | 22042.18 |
| Web | 54.00 | 0.50 | 27.00 | 29.62 | 799.88 | 6561.00 | 6957.82 |
| Bottom Flange | 14.00 | 2.62 | 36.75 | 1.31 | 48.23 | 21.10 | 37997.69 |
| Reinforcement | - | - | 12.77 | 63.62 | 812.62 | 0.00 | 11622.61 |
| | - | - | 113.27 | - | - | - | 78620.30 |