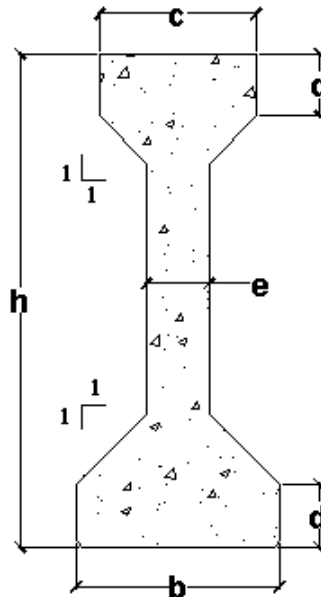


Knife River Bridge Section AASHTO*



*Replaced by more efficient sections, but available for special applications.



Section Properties (gross)

| Type | h (in.) | A (in. ²) | I (in. ⁴) | y _t (in.) | y _b (in.) | S _t (in. ³) | S _b (in. ³) | V/S (in.) | wt. (plf) |
|------|------------|--------------------------|--------------------------|-------------------------|-------------------------|---------------------------------------|---------------------------------------|--------------|--------------|
| I | 36 | 369 | 50980 | 20.17 | 15.83 | 2529 | 3221 | 3.4 | 384 |
| II | 45 | 560 | 125390 | 24.73 | 20.27 | 5072 | 6186 | 4.07 | 582 |
| III | 54 | 789 | 260730 | 29.27 | 24.73 | 8911 | 10543 | 4.77 | 822 |
| IV | 63 | 861 | 394941 | 34.06 | 28.94 | 11595 | 13648 | 4.69 | 897 |

Geometry

| b (in.) | c (in.) | d (in.) | e (in.) |
|------------|------------|------------|------------|
| 18 | 12 | 6 | 6 |
| 22 | 16 | 7 | 7 |
| 26 | 20 | 8 | 8 |
| 26 | 20 | 8 | 8 |

Estimated Span Length (ft.)

