

Approximate Finished Grade to Low Chord Dimensions Used in Hydraulic Design

40' Clear Roadway Span Bridge Standards for Highways

Beam Type	Span Length (ft)	Finished Grade to Low Chord Dimensions (ft)	Column diameter (ft)	Hot Rolled Steel Beams (ft)	Finished Grade to Low Chord Dimensions (ft)
Type II PCB	30-55	4.09 ⁺	4.0	30	3.33
				35	3.57
Type B PCB	30-50	3.92 ⁺	4.0	40	3.58
				45	3.61
Type III PCB	45-75	4.92 ⁺	4.0	50	3.86
				55	4.07
Type C PCB	45-65	4.51 ⁺	4.0	60	4.09
				65	4.32
Type IV PCB	65-100	5.76 ⁺	5.0	70	4.35
				75	4.33
72" Bulb Tees*	95-115	7.34 ⁺	5.0	80	4.35
				85	4.39
Bulb Tee Type J	95-130	7.34 ⁺	5.0	90	4.41
Slab Span (verify w/ designer)	0-30	2.00 ⁺	2.0	95	4.43
Double Tees (Off- system)	0-30	2.67 ⁺	2.0	100	4.45
	30-55	3.42 ⁺	2.0		

* Based on 40' clear roadway

+ Based on normal crown, for constant sloped divided bridge add 4".

