

# Estimated Camber

Camber is the upward deflection of a pre-stressed member and results from the prestressing force being eccentric from the center of gravity of the cross-section. Since both prestressing force and eccentricity are established by the required design load and span length, camber is a result of a design rather than a design parameter. Therefore, camber requirements should not be specified.

Camber will change with time due to concrete creep, prestress loss and other factors. Long term cambers are not predictable with any degree of accuracy and any calculations must be considered to be only estimates.

*Camber adjustment for 40° temperature difference between top and bottom surface*

	Span			
	25'	35'	45'	55'
6" Corefloor	0.32 in. +/-			
8" Corefloor	0.24 in. +/-	0.46 in. +/-		
10" Corefloor	0.19 in. +/-	0.37 in. +/-	0.61 in. +/-	
12" Corefloor	0.16 in. +/-	0.32 in. +/-	0.51 in. +/-	0.76 in. +/-
14" Corefloor	0.19 in. +/-	0.38 in. +/-	0.62 in. +/-	0.93 in. +/-

*The hollowcore will bow toward the warmer surface*

Erection Camber										
Strand	Span									
	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'
6SC56	0.20 in	0.15 in								
6SC57	0.30 in	0.35 in	0.10 in							
6SC58	0.50 in	0.60 in	0.55 in							
6SC78	0.75 in	1.00 in	1.20 in	1.00 in						
8SC47		0.20 in	0.15 in							
8SC48		0.35 in	0.40 in	0.20 in						
8SC58		0.50 in	0.60 in	0.50 in						
8SC68			0.80 in	0.85 in	0.60 in					
8SC78			1.00 in	1.20 in	1.00 in	0.55 in				
10SC58			0.45 in	0.45 in	0.30 in					
10SC68			0.60 in	0.70 in	0.60 in					
10SC78			0.80 in	0.90 in	0.90 in	0.70 in				
10SC26 / 88				0.90 in	0.85 in	0.60 in				
10SC26 / 108				1.30 in	1.50 in	1.40 in	1.10 in			
12SC68				0.60 in	0.65 in	0.50 in				
12SC26 / 88					0.85 in	0.75 in	0.40 in			
12SC26 / 108					1.30 in	1.40 in	1.20 in	0.85 in	0.10 in	
12SC26 / 128					1.80 in	1.90 in	2.00 in	1.70 in	1.20 in	
12SC26 / 148					2.00 in	2.30 in	2.40 in	2.40 in	2.00 in	1.20 in
14SC78						0.40 in	0.15 in			
14SC88						0.65 in	0.45 in	0.00 in		
14SC26 / 108						0.80 in	0.65 in	0.30 in		
14SC26 / 128						1.20 in	1.20 in	0.90 in	0.40 in	
14SC26 / 138						1.40 in	1.40 in	1.20 in	0.75 in	-0.05 in
14SC26 / 148						1.60 in	1.60 in	1.50 in	1.10 in	0.35 in