

ESTIMATED CAMBER

Camber is the upward deflection of a prestressed 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 con-

sidered to be only estimates.

Adjustment for 40° temperature differences between top and bottom surfaces

	SPAN			
	25'	35'	45'	55'
6" COREFLOOR	± .32			
8" COREFLOOR	± .24	± .46		
10" COREFLOOR	± .19	± .37	± .61	
11" COREFLOOR	± .17	± .34	± .56	
12" COREFLOOR	± .16	± .32	± .51	± .76

The hollowcore will bow toward the warmer surface.

ERECTION CAMBER IN INCHES										
STRAND	SPAN IN FEET									
	15'	20'	25'	30'	35'	40'	45'	50'	55'	60'
6SC56	.20"	.20"								
6SC57	.30"	.35"	.20"							
6SC58	.40"	.60"	.60"							
6SC78	.55"	.80"	1.0"	1.0"						
8SC47	.20"	.20"	.20"							
8SC48		.35"	.40"	.25"						
8SC58		.50"	.60"	.55"						
8SC68			.80"	.85"	.70"					
8SC78			.90"	1.1"	1.0"	.80"				
10SC58			.45"	.45"	.30"					
10SC68			.60"	.70"	.60"					
10SC78			.70"	.90"	.90"	.80"				
10SC $\frac{26}{88}$.90"	.80"	.65"				
10SC $\frac{26}{108}$				1.1"	1.2"	1.2"	1.0"			
11SC78				.70"	.75"	.60"				
11SC $\frac{26}{88}$.70"	.70"	.50"				
11SC $\frac{26}{98}$.80"	.90"	.80"	.50"			
11SC $\frac{26}{108}$.90"	1.1"	1.0"	.80"	.40"		
12SC68				.60"	.65"	.50"				
12SC $\frac{26}{88}$.90"	.85"	.70"			
12SC $\frac{26}{108}$					1.2"	1.3"	1.3"	1.1"	.60"	
12SC $\frac{26}{128}$					1.4"	1.6"	1.7"	1.7"	1.4"	
12SC $\frac{26}{148}$					1.6"	1.9"	2.0"	2.1"	1.7"	1.2"