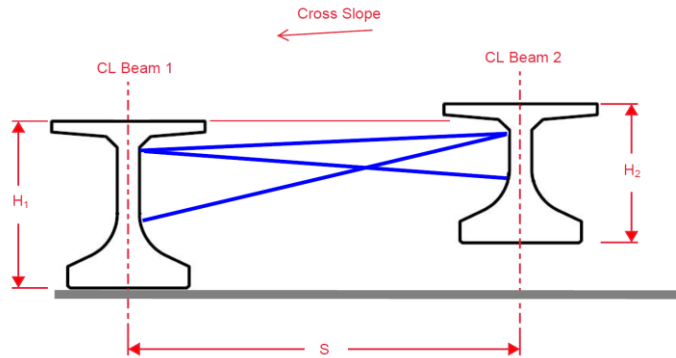


Analysis #1

Bridge 1



Analysis No. = 1
Description = Bridge 1

Left Girder Height =	96	[in]	Overturning Moment =	69.33	[ft*kip]
Right Girder Height =	96	[in]	Horizontal Force =	14.16	[kip]
Girder Spacing =	6.667	[ft]			
Distance from top of left girder to bracing =	12.96	[in]	Brace E =	29000	[ksi]
Distance from bot. of left girder to bracing =	25.56	[in]	Brace A =	2	[in ²]
Distance from bot. of right girder to bracing =	12.96	[in]	Brace I =	2.85	[in ⁴]
Distance from bot. of right girder to bracing =	25.56	[in]			
Cross Slope =	0				

Brace Type = HDPB 5'-9'
Lines of horizontal Bracing per brace line = 8
Lines of diagonal bracing per brace line = 8

	Member		
	1	2	3
Tensile Strength	6.000	7.258	7.258
Compressive Strength	9.000	6.000	7.154
Member Force (Stage 2 H)	-3.683	-2.355	-10.736
Member Force (Stage 3 OM)	9.504	6.069	-17.944
Member Force Per Brace (Stage 2 H)	-0.460	-0.294	-1.342
Member Force Per Brace (Stage 3 OM)	1.188	0.759	-2.243
Bracing lines Multiplier (stage 2 H)	1	1	1
Bracing Lines Multiplier (Stage 3 OM)	1	1	1

Bracing Lines Multiplier Required = 1

Stiffness = 630233 [kip-ft/rad]

Span Length = 202 [ft]

Bracing Point Type = Quarter Points

Empirical Scale Factor = 1.7

Pu = 75 [psf]

Pavg = 37.5 [psf]

Beam Weight = 1277.6875 [plf]

C0 = 1.079974184

C = 0.987016161 >1

Check = NG