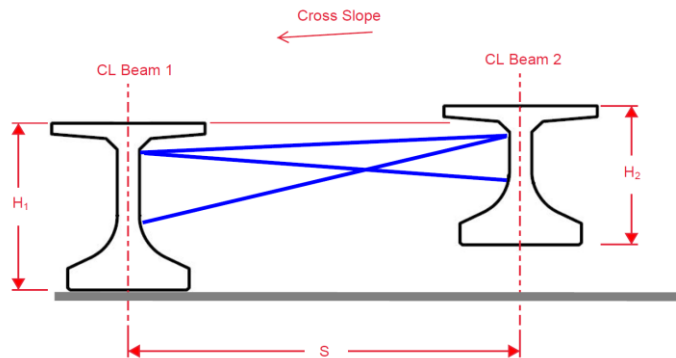


Analysis #1

B



Analysis No. = 1
Description = B

Left Girder Height =	78	[in]	Overturning Moment =	98.7	[ft*kip]
Right Girder Height =	78	[in]	Horizontal Force =	17.8	[kip]
Girder Spacing =	10.73	[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 = MB 8'-14'
Lines of horizontal Bracing per brace line = 1
Lines of diagonal bracing per brace line = 1

	Member		
	1	2	3
Tensile Strength	14.371	14.371	14.371
Compressive Strength	14.371	14.371	14.371
Member Force (Stage 2 H)	-3.297	-2.999	-12.206
Member Force (Stage 3 OM)	15.805	14.376	-30.946
Member Force Per Brace (Stage 2 H)	-3.297	-2.999	-12.206
Member Force Per Brace (Stage 3 OM)	15.805	14.376	-30.946
Bracing lines Multiplier (stage 2 H)	1	1	1
Bracing Lines Multiplier (Stage 3 OM)	2	2	3

Bracing Lines Multiplier Required = 3

Stiffness = 35608 [kip-ft/rad]

Span Length = 163 [ft]

Bracing Point Type = End Points only

Empirical Scale Factor = 1

Pu = 75 [psf]

Pavg = 37.5 [psf]

Beam Weight = 1146.44 [plf]

C0 = 1.806991999

C = 0.14738438 >1

Check = NG