A2B ENGINEERING, LLC CONSULTING ENGINEERS	Subject: Girder Bracing Design				
	Comp by: MLS	Check by: PRS	Date: 09/13/18	Job Number: 135-17-1	Sheet Number: of

Analysis No. =	2		
Description =	Bridge 2		
Left Girder Height =	54	[in]	
Right Girder Height =	48	[in]	
Girder Spacing =	7.33	[ft]	
Distance from top of left girder to bracing =	12	[in]	
Distance from bot. of left girder to bracing =	12	[in]	
Distance from bot. of right girder to bracing =	12	[in]	
Distance from bot. of right girder to bracing =	12	[in]	
Overturning Moment =	60	[ft*kip]	
Horizontal Force =	8	[kip]	
Brace E =	29000	[ksi]	
Brace A =	5	[in^2]	
Brace I =	50	[in^4]	
Brace Type =	HDPB 15'-26'		
Lines of horizontal Bracing per brace line =	1		
Lines of diagonal bracing per brace line =	1		

	Member		
	1	2	3
Tensile Strength	Not Applicable	Not Applicable	Not Applicable
Max Tension	8.430	7.883	2.109
Compressive Strength	Not Applicable	Not Applicable	Not Applicable
Max Compression	-2.529	-2.365	-0.634

Lines of bracing required =	NG
Stiffness =	5950887.705
Check =	OK