Table 2.15.4: Vehicle Attributes for Parametric Study

	Truck 1	Truck 2	Truck 3	Truck 4	
Mass	200	200	200	200	slinch
spring k	31582.7	71061.2	126330.9	197392.1	lb/in
Damping Ratio	10.0%	10.0%	10.0%	10.0%	
Nat. Freq.	2	3	4	5	Hz

The following plots summarize the results of this parametric study.

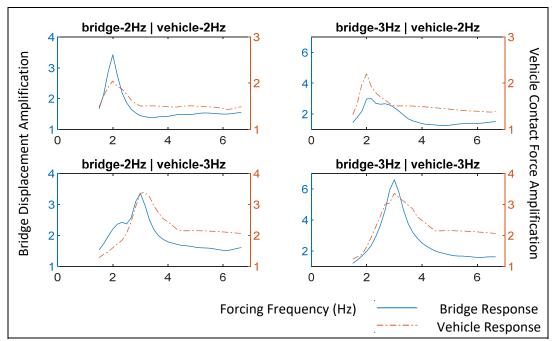


Figure 2.15.8: Effect of Bridge and Vehicle Frequency on Bridge Displacement and Vehicle Contact Force (1/4)

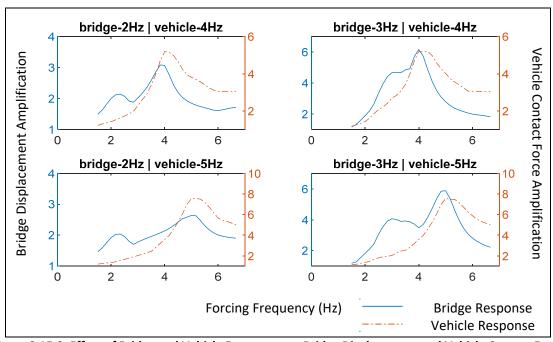


Figure 2.15.9: Effect of Bridge and Vehicle Frequency on Bridge Displacement and Vehicle Contact Force (2/4)

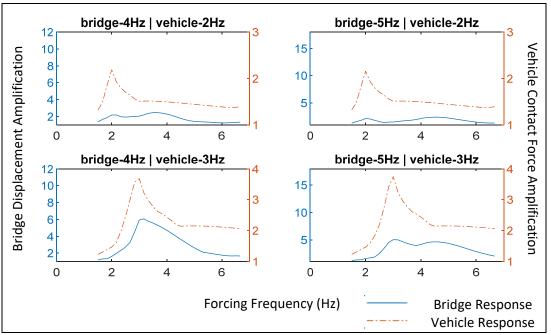


Figure 2.15.10: Effect of Bridge and Vehicle Frequency on Bridge Displacement and Vehicle Contact Force (3/4)

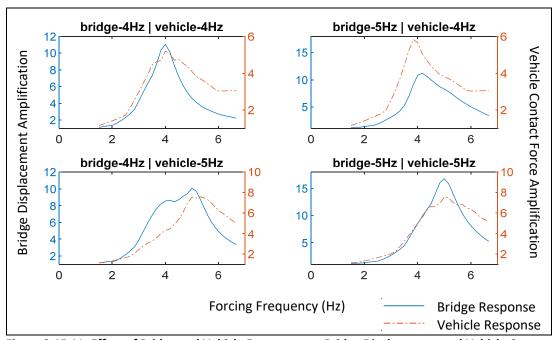


Figure 2.15.11: Effect of Bridge and Vehicle Frequency on Bridge Displacement and Vehicle Contact Force (4/4)

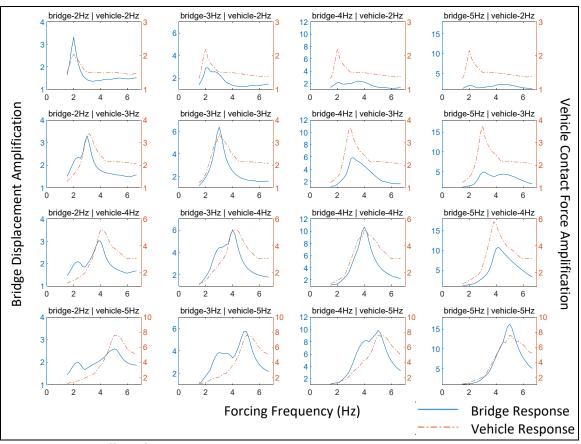


Figure 2.15.12: Effect of Bridge and Vehicle Frequency on Bridge Displacement and Vehicle Contact Force (Total)