

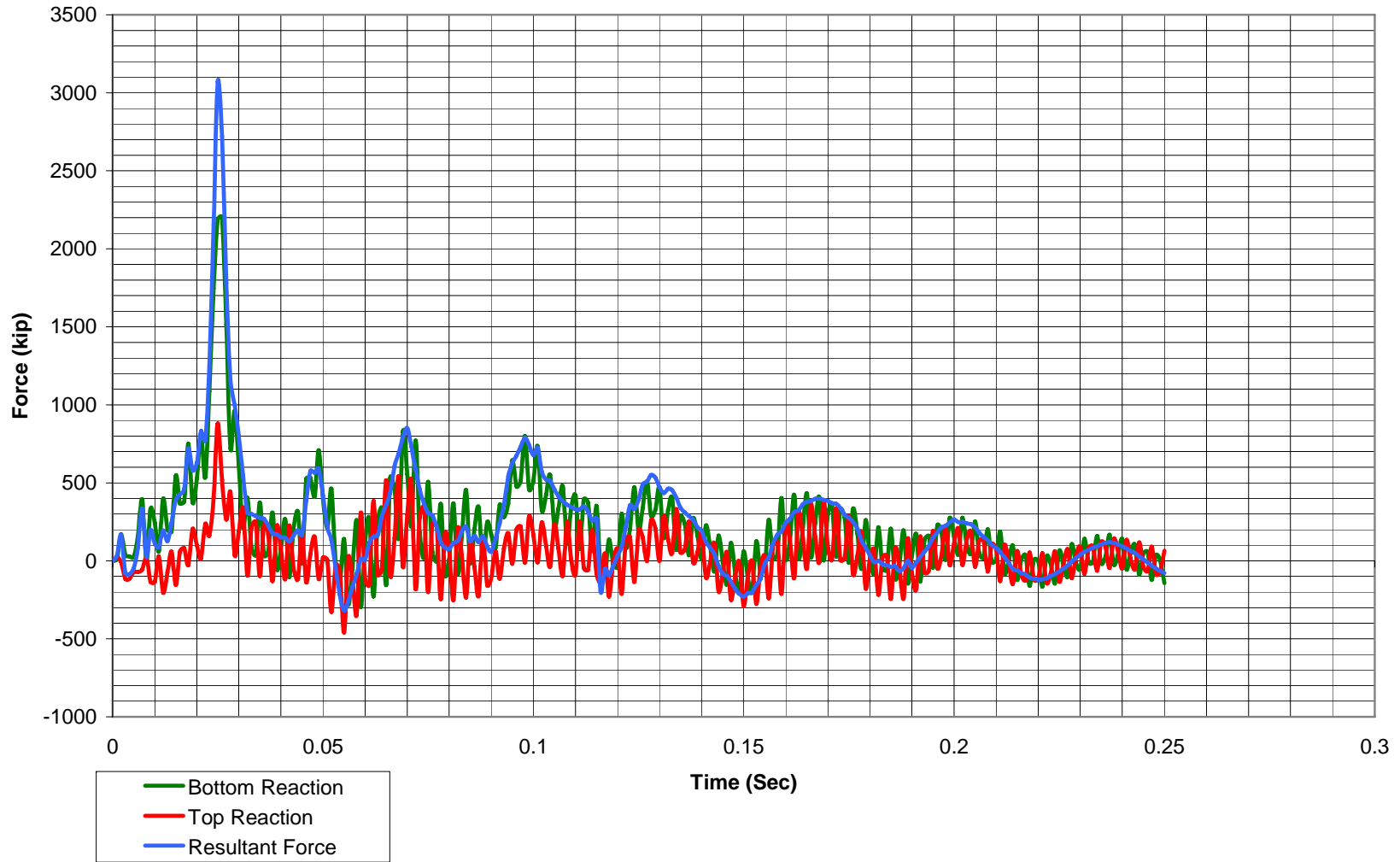
## **Matrix I – Tractor Trailer**

Analysis of a 36” pier at 40, 50 & 60 MPH

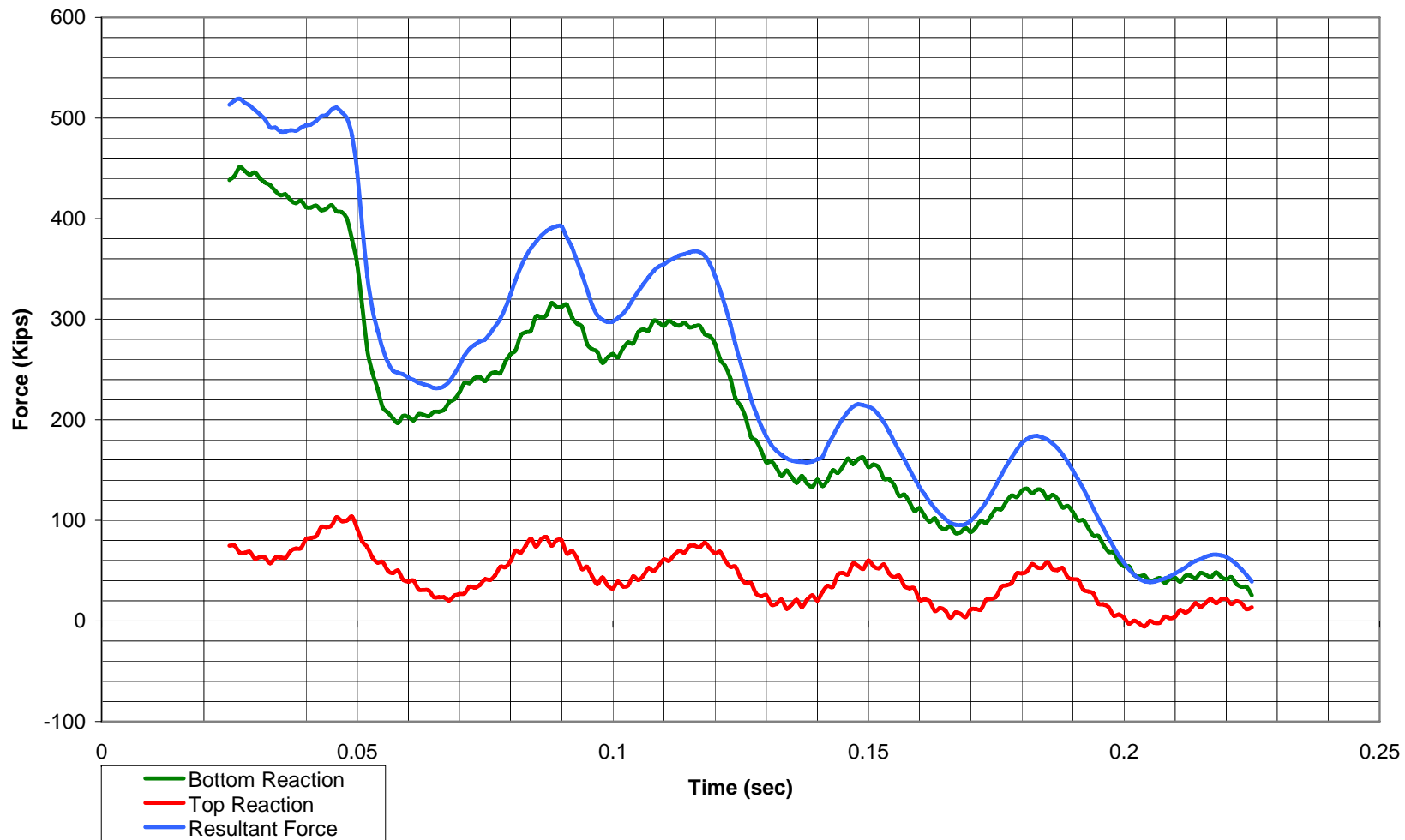
This matrix is in a debugging state – The current model is non-ballasted

Results provided for the 50 & 60 MPH run are attached

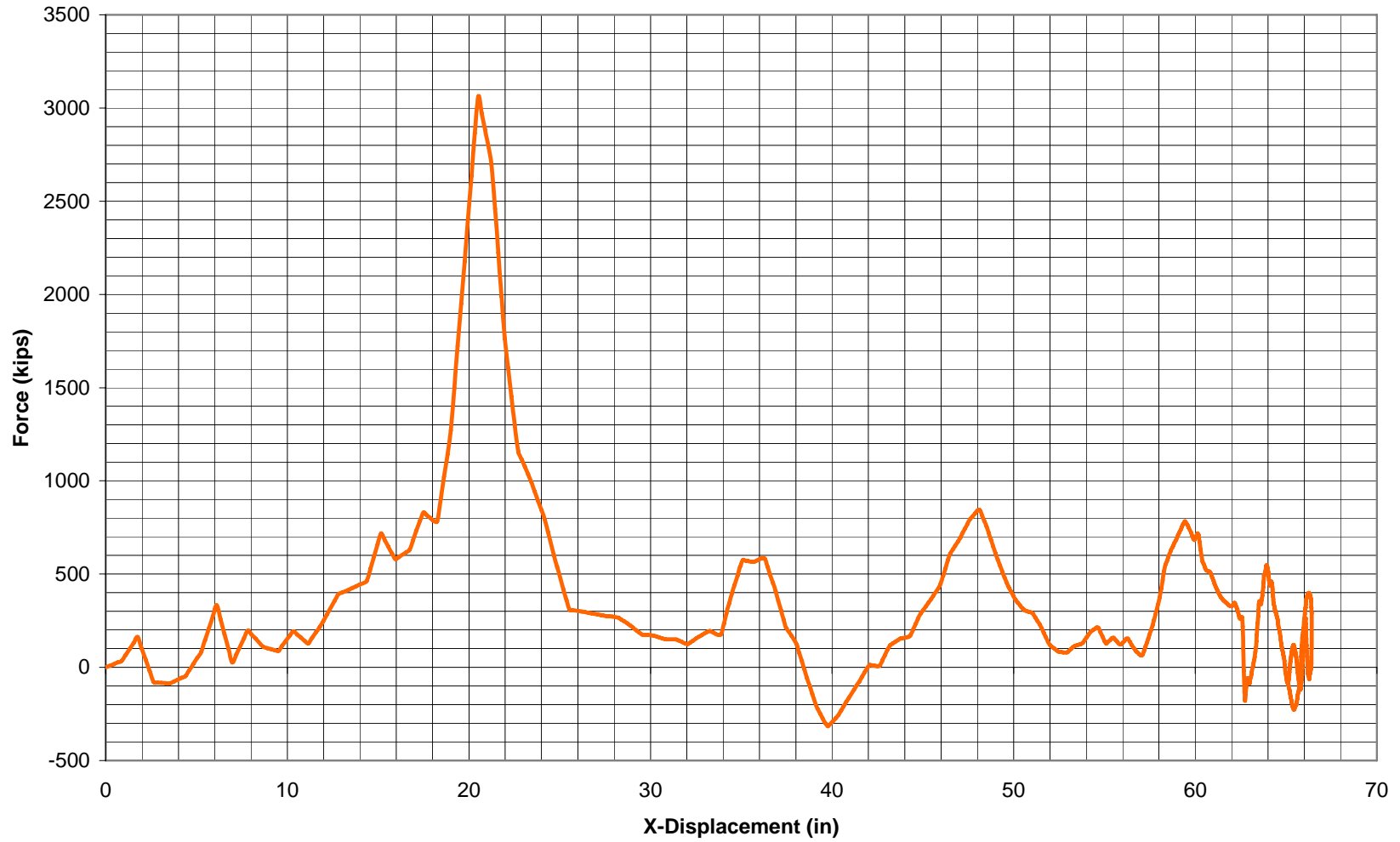
### 36" Pier, 50MPH: Reaction Force



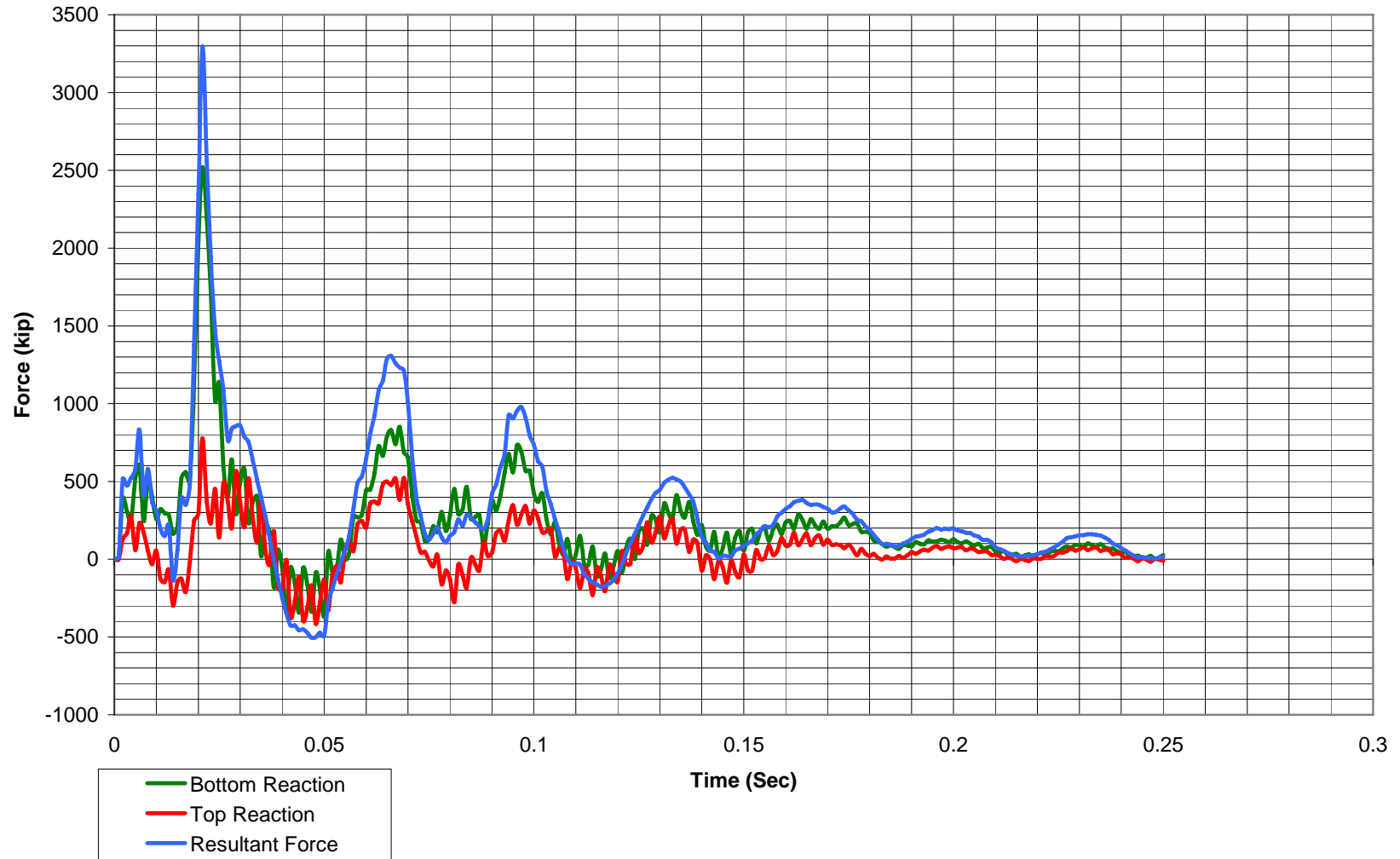
36" Pier, 50MPH: Reactions 50ms Avg



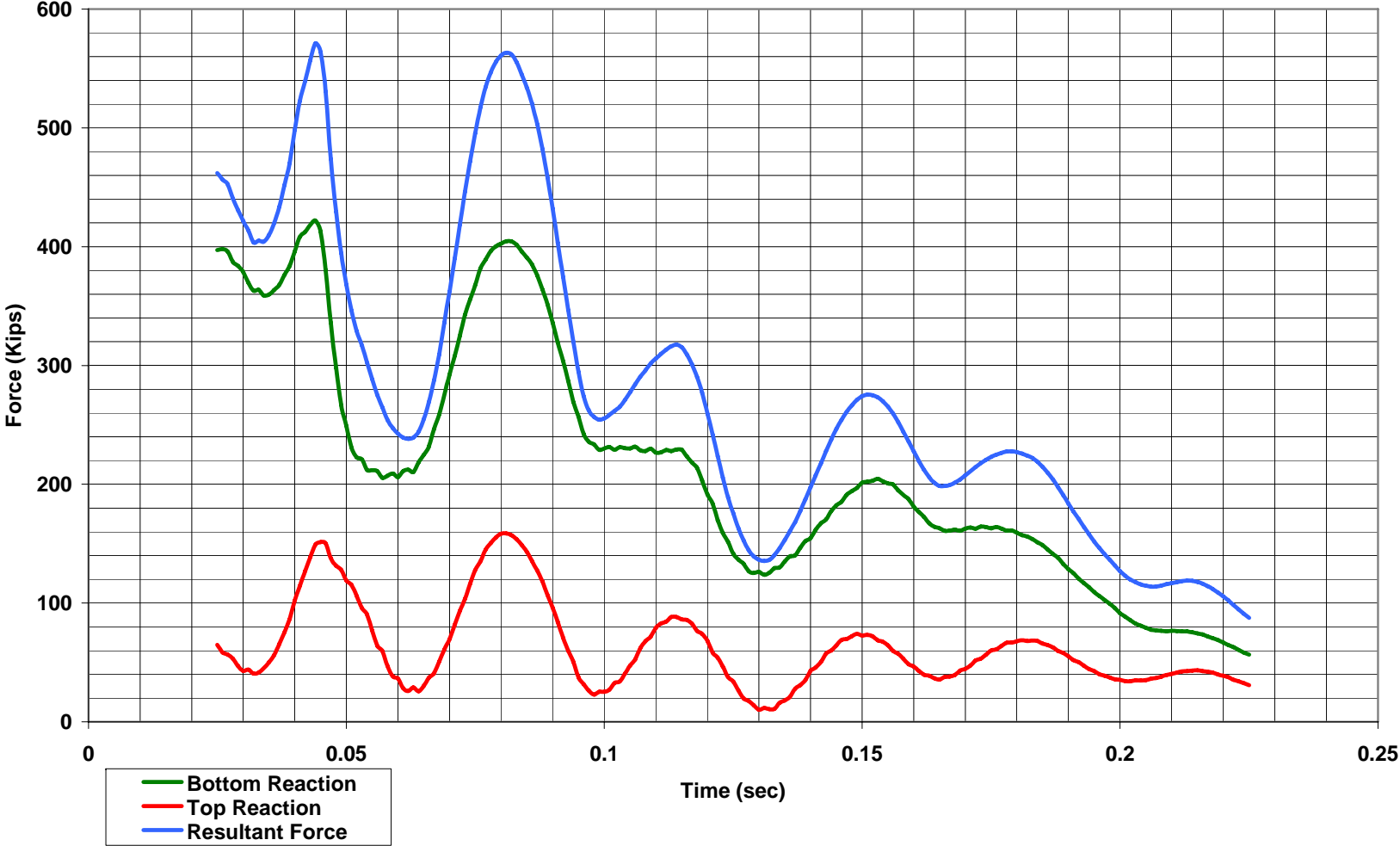
**36" Pier, 50MPH: Force Vs. X-Displacement**



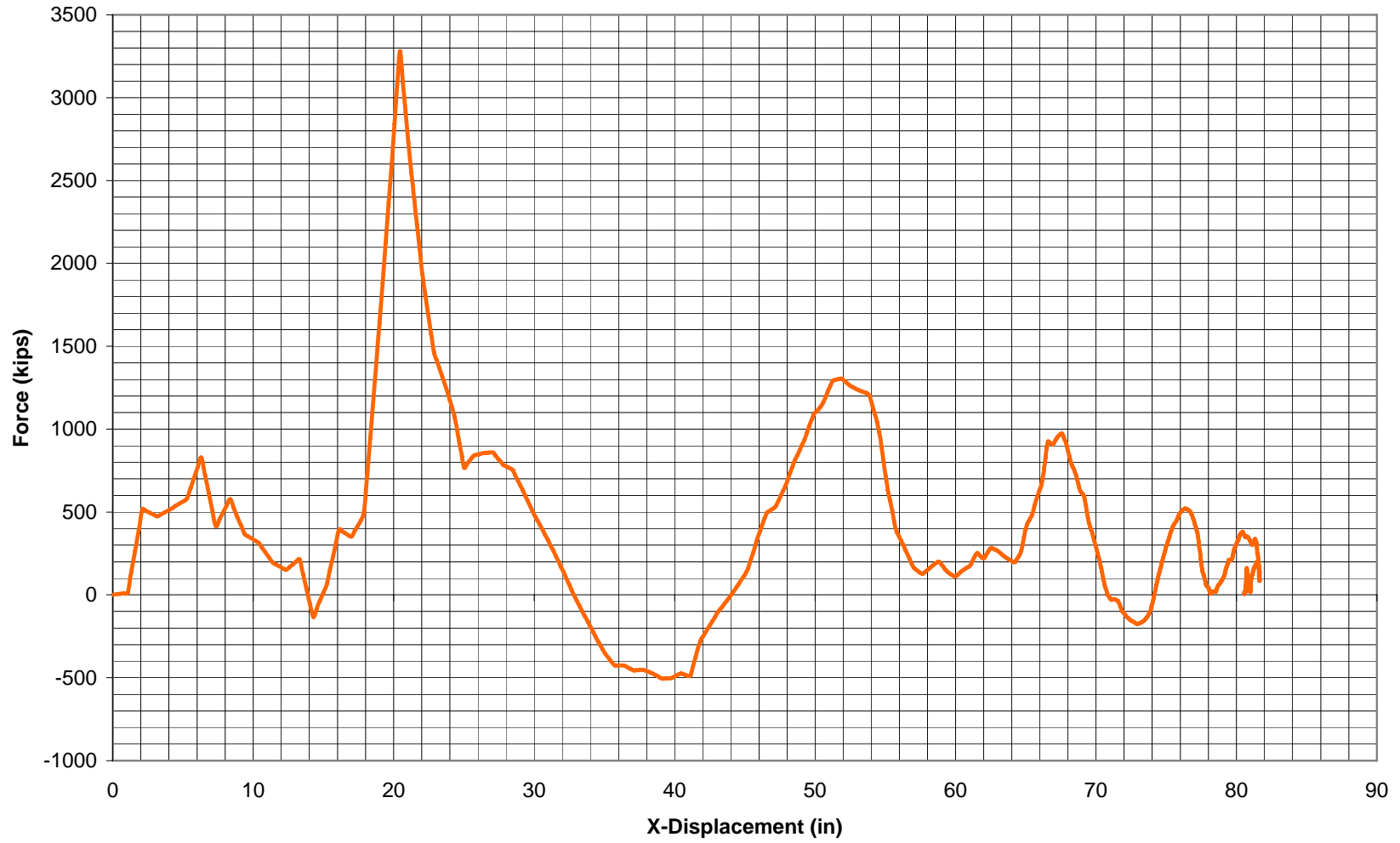
### 36" Pier, 60MPH: Reaction Force



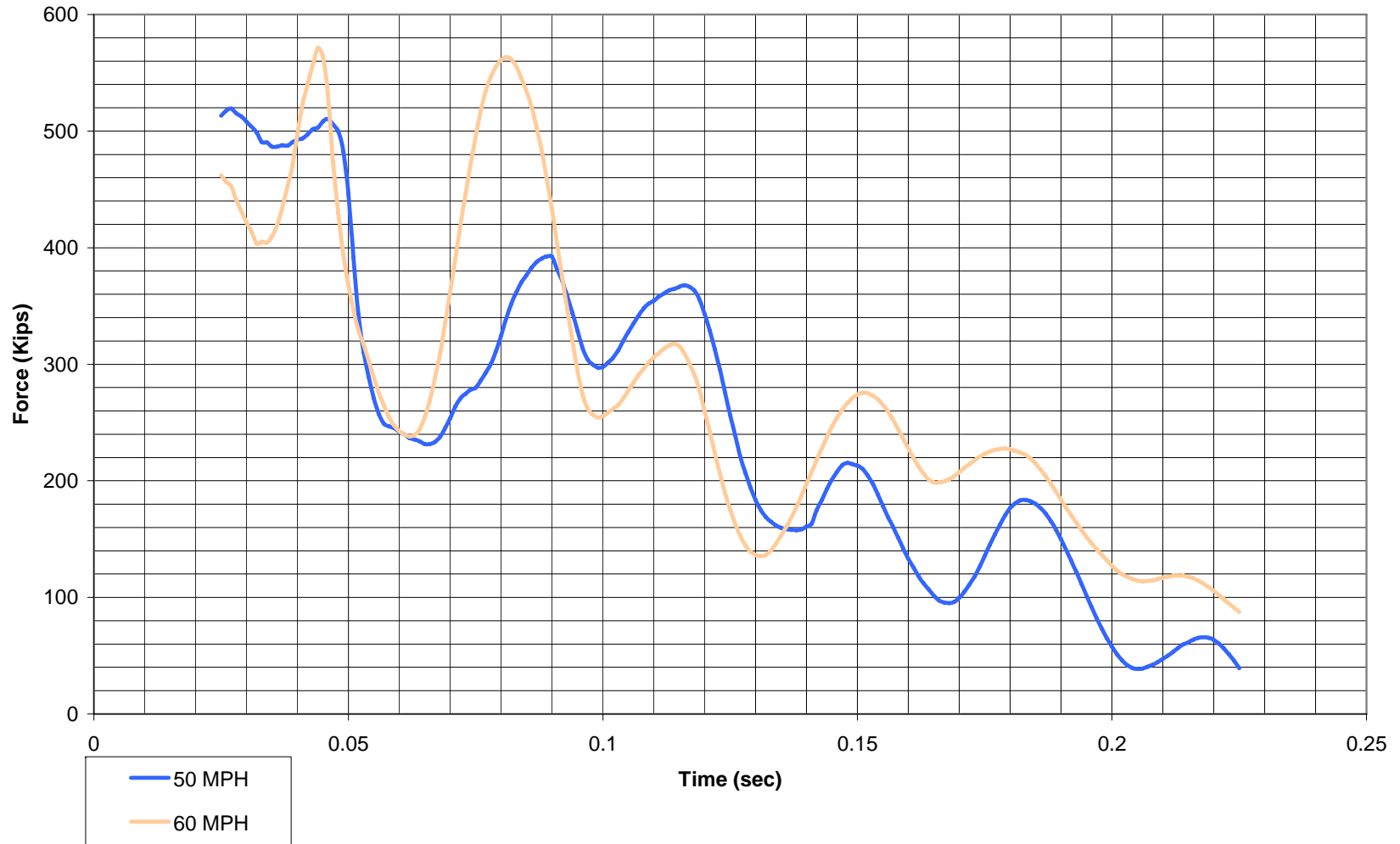
36" Pier, 60MPH: Reactions 50ms Avg



36" Pier, 60MPH: Force Vs. X-Displacement

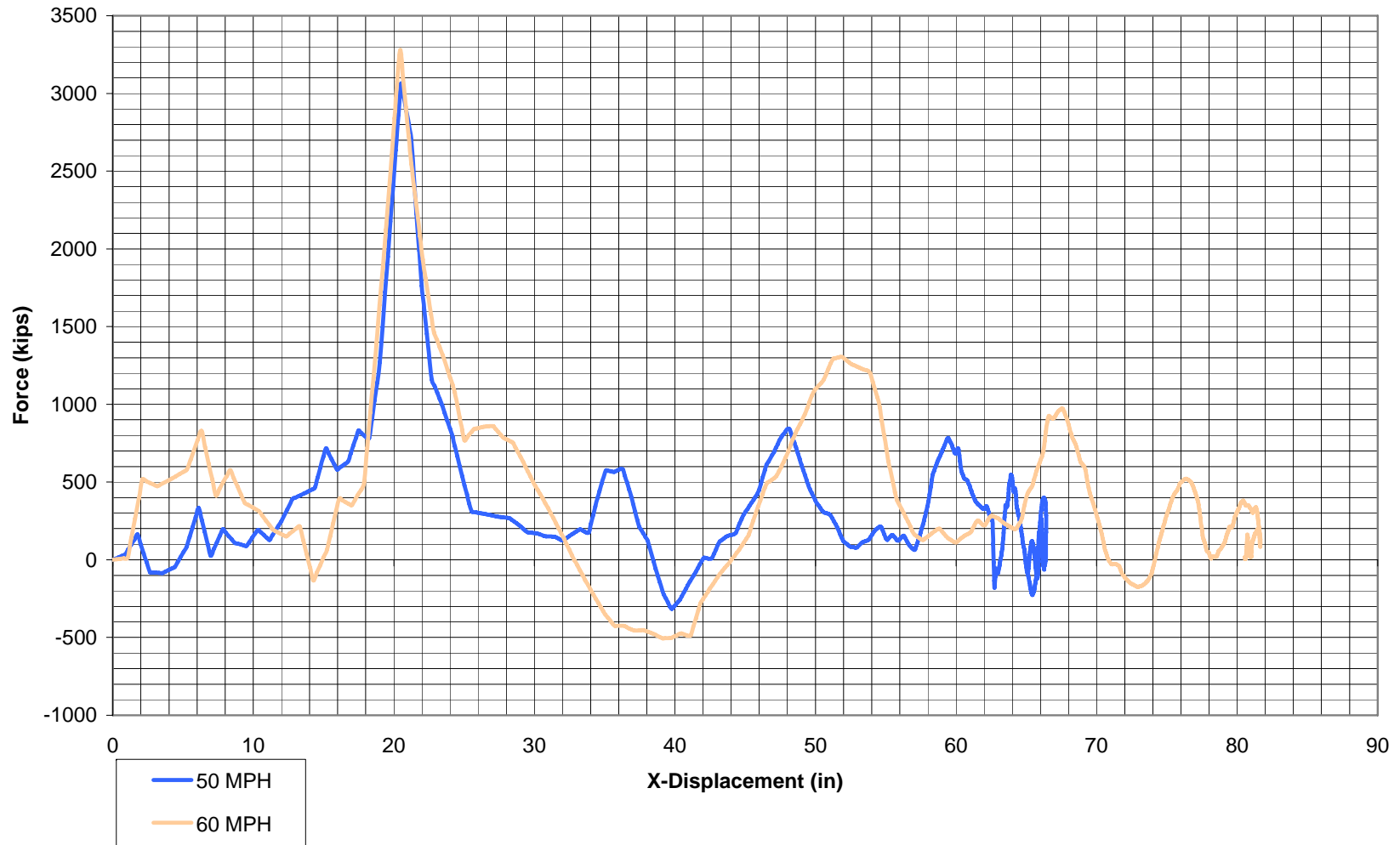


Resultant Reactions 50ms Avg





**Force Vs. X-Displacement**



**X-Displacement Vs. Time**

