

# Bridge Condition Report for Powder Mill Bridge

Generated by: Real-time Bridge Structural Health Monitoring System  
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## Bridge Information

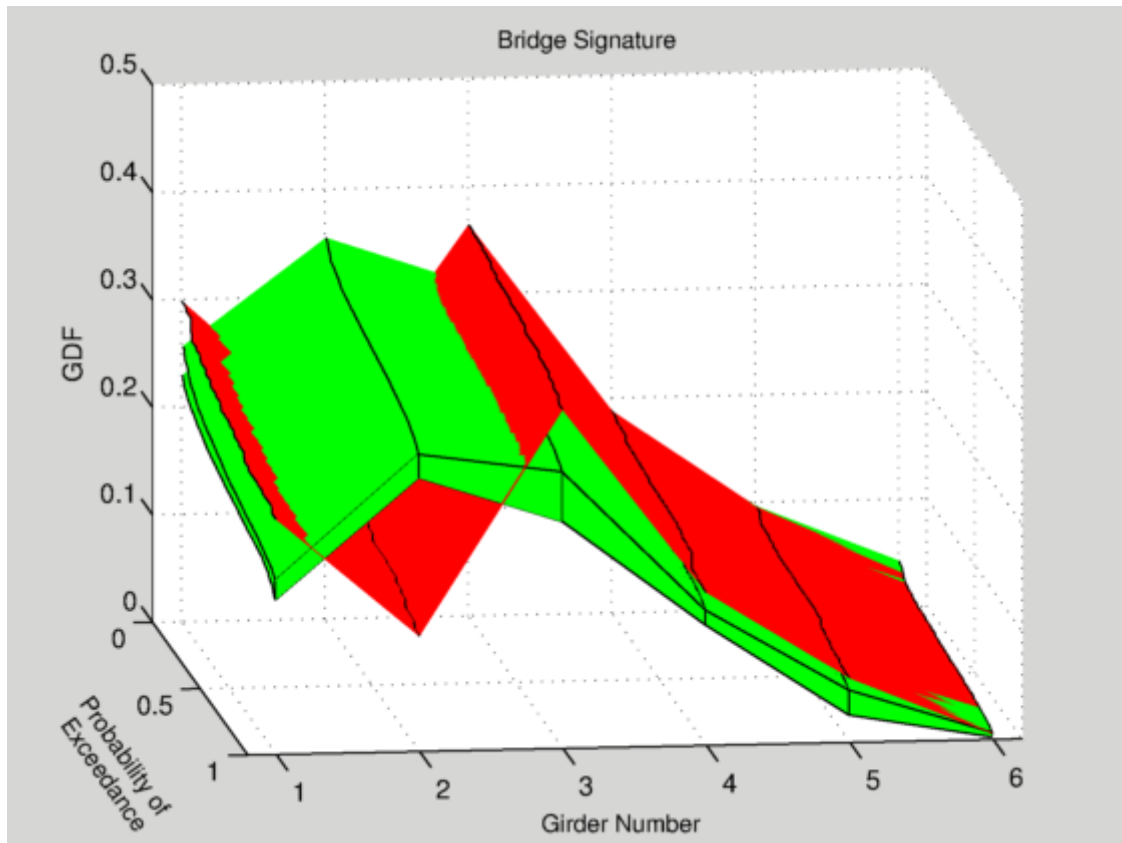
Bridge Number: 1234567  
Bridge Location: Barre, MA  
Bridge Owner: Town of Barre  
Year Built: 2009  
Last Inspection Date: 2013  
Bridge Description: Steel Girder Composite

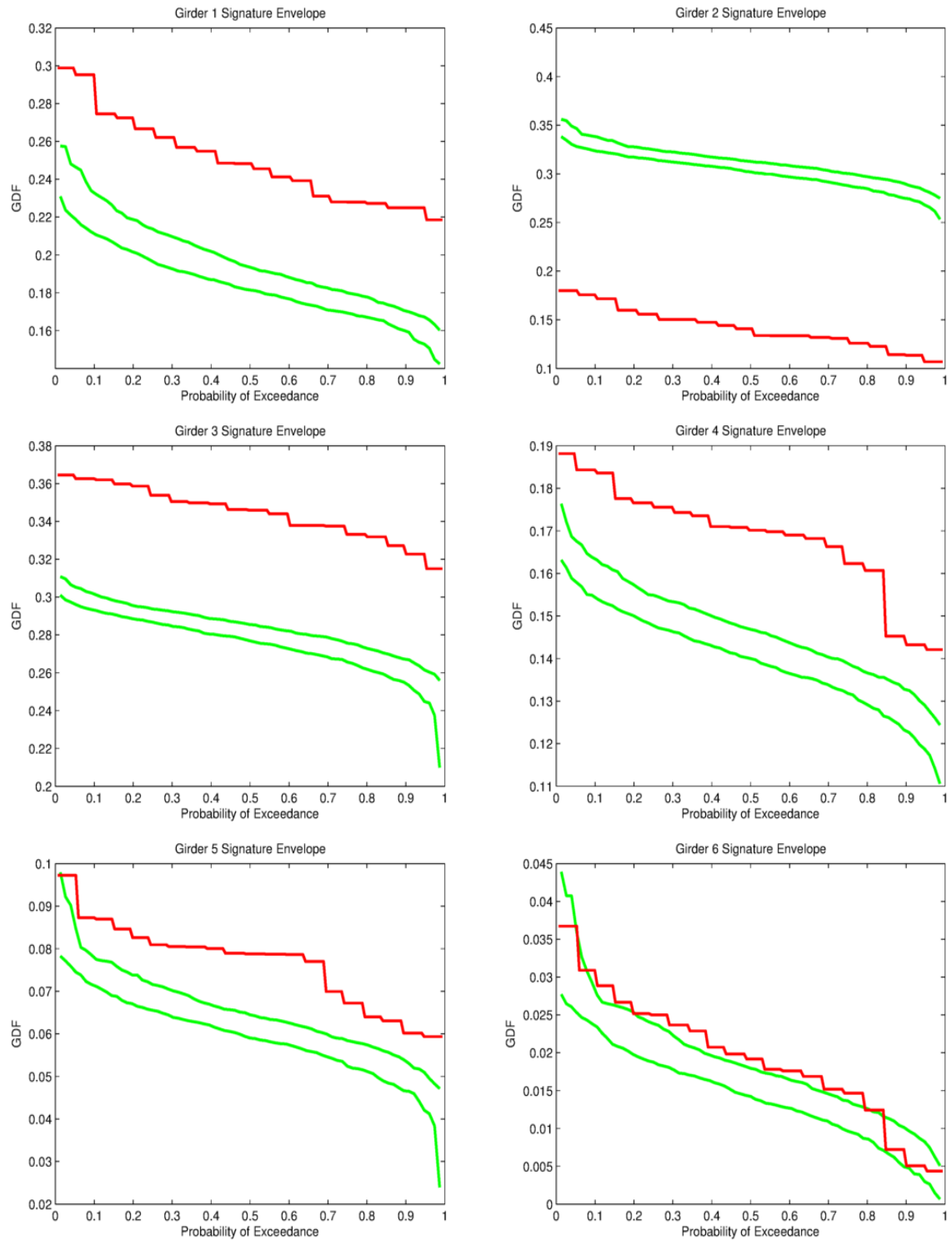
## Bridge Health Condition

The current health condition is yellow

The Damage Index is 0.33.

Corresponding Bridge Signature is as shown below.





## Health Condition Reference

Damage Index(DI): range from 0 to 1, it is an index that indicates how much the bridge is damaged. When the DI value is 0, it means the recently collected events are from the same distribution of baseline model. With an increased DI value, the recently collected events present different stiffness capability compare to the baseline model.

Bridge Signature: the tool to locate and assess the damage. For each girder, the baseline model envelop is shown in green, the recent collected events is shown in red. If the recent events Girder Distribution Factor is less than the envelop, it indicates the stiffness of this Girder is less than the baseline model, which means there is a damage near this girder.