

Umass Amherst
Adaptive Use Bridge Project
North Chester Village Bridge Hardness Test Methods

Hardness data was collected on the 9 tensile coupons from the Lower Bridge in Bondsville before they went through destructive testing. The Rockwell B test was performed in accordance to ASTM E18-03. A 1/16 inch ball indenter was used with 100 kg of test force.

A total of 8 readings were taken on each specimen. The process for data collection was made uniform to increase precision. The location of the indentation for each reading is shown in Figure 1.

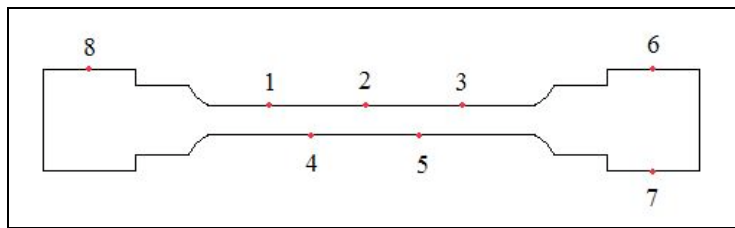


Figure 1. Hardness test locations.