



H&BT Rail Trail

Broad Top, PA

Overview

The Huntingdon and Broad Top Mountain Railroad and Coal Company was established in 1853 to provide a short line rail link from Huntington to Bedford to support local coal producers. At the height of its operation, the rail stretched 72 miles and included a trestle bridge built in the 1860s to carry the train over the Juniata River. The trestle bridge needed to be renovated to accommodate pedestrian traffic.

Owner: Broad Top Township
 Installation Date: July 2014

Bridge Deck Dimensions

Deck Size: 350 feet by 13 feet
 Deck Area: 4,550 square feet
 Deck Panel Dimensions: 23.33 feet by 13 feet
 Deck Depth: 5 inches
 Deck Weight: 7 psf

Bridge Features

Requirements:

- 85 psf live load; L/500 deflection
- H-10 vehicle (20,000 lb)

Superstructure: Two steel girders

Beam Spacing: 10 feet

Deck to Beam Connection: Bolted to shear studs

Special Requirements:

- Spacers at 2 inch height molded on bottom of panel so deck clears rivets on top of girders

Skew: None

Non-Slip Overlay: Epoxy aggregate

Guard Rail: Attached to FRP decking

Color: Gray

