



Rocks Village Bridge Haverhill, Massachusetts

Overview

This historic, six span steel truss bridge bridge in northeast Massachusetts has a swing span for Span 3. After rehabilitating the steel structures and mechanical systems, the FRP deck was installed to keep minimize the dead load.

Owner: Massachusetts DOT
Installation Date: May 2013

Bridge Deck Dimensions

Deck Size: Six spans; total of 809 feet
Deck Area: 18,776 square feet
Deck Panel Dimensions:
• 9.25 feet by 21.25 feet
• 9.25 feet by 25.3 feet
Deck Depth: 7 inches
Deck Weight: 19 psf

Bridge Features

Requirements: HS-25 Vehicle; L/500 deflection
Superstructure: Steel truss with longitudinal beams
Beam Spacing: 4 feet-10 inches
Deck to Beam Connection: Welded shear studs and grout

Special Requirements:
• Steel plate expansion joints at ends of all six spans
• Attached access platform
• Access hole in swing span
Skew: Radius end panels at swing span
Overlay: Polymer concrete
Guard Rail: Attached to deck; side and top
Color: Gray

