Wolf Trap National Park
Vienna, Virginia

Overview
A three span pedestrian bridge was needed to connect sections of the park by spanning ten lanes of highway and on rail line that are the main access to Dulles Airport. A lightweight deck was required, so fully assembled truss bridges could be quickly erected.

Owner: Virginia DOT
Installation Date: March 2012

Bridge Deck Dimensions
Deck Size: Three spans—150 feet, 170 feet, 148 feet by 15.5 feet
Deck Area: 7,100 square feet
Deck Panel Dimensions: 8.3 feet by 15.5 feet
Deck Depth: 3.5 inches
Deck Weight: 6.85 psf

Bridge Features
Requirements:
- 90 psf live load; L/500 deflection
- 20,000 lbs emergency vehicle
Superstructure: Steel truss with longitudinal beams
Beam Spacing: 4.25 feet
Deck to Beam Connection: mechanical fasteners and clips
Skew: 34 degrees
Non Slip overlay: Epoxy Aggregate
Guard Rail: Attached to steel superstructure
Color: Gray