



Piedra Lisa Bridge

Albuquerque, New Mexico

Overview

After a brush fire destroyed the wood bridge and deck, a quick replacement was needed so pedestrians could cross over a multi-lane highway. Large prefabricated FRP deck panels were easily erected and greatly reduced construction time.

Owner: New Mexico DOT
 Installation Date: May 2014

Bridge Deck Dimensions

Deck Size: 459 feet by 7.83 feet
 Deck Area: 3,595 square feet
 Deck Panel Dimensions: 40 feet by 7.83 feet
 Deck Depth: 3.5 inches
 Deck Weight: 5.5 psf

Bridge Features

Requirements:

- 90 psf live load; L/360 deflection

Superstructure: Exterior glulam wood beams

Beam Spacing: 7.4 feet

Deck to Beam Connection: Wood purlions above and below the deck edge

Special Requirements:

- Large, light weight panels for quick installation

Skew: None

Non-Slip Overlay: Epoxy aggregate

Guard Rail: steel cage attached to beams

Color: Beige

