



Glendale Avenue

Reno, Nevada

Overview

The pedestrian overpass on Glendale Avenue experienced severe corrosion of the reinforced concrete deck. FRP decking was chosen for the renovated bridge because of its superior corrosion resistance and light weight panels for easy installation.

Owner: Nevada DOT

Installation Date: September 2011

Bridge Deck Dimensions

Deck Size: 114 feet by 6 feet

Deck Area: 684 square feet

Deck Panel Dimensions: 12 feet by 6 feet

Deck Depth: 3.5 inches

Deck Weight: 6 psf

Bridge Features

Requirements:

- 90 psf live load; L/1000 deflection

Superstructure: Steel box girders with floor beams

Beam Spacing: 6 feet

Connection Type: Mechanical fasteners and clips

Special Requirements:

- Light weight panels

Non Slip overlay: Epoxy aggregate

Guard Rail: Box girder webs

Color: Beige

