



# State Route 28 Shared Use Path

## Lake Tahoe, Nevada

### Overview

One million annual visitors use 11 miles of two-lane, mountainside road to view Lake Tahoe. Nevada DOT created a safe, shared-use path using thirty-two (32) prefabricated FRP bridges on steep hillsides that could not accommodate ground paths. The lightweight, prefabricated bridges were installed quickly at night to minimize traffic disruption on the only road access along the lake. The path was opened in June 2019.

Owner: Granite Construction

Installation Date: March 2017

Requirements:

- 90 psf live load; L/360 deflection

Vehicle load HL-5

Superstructure: Steel Beams

Deck to Beam Connection: Steel Clip Connection

### Bridge Deck Dimensions

Deck Size: 1386 feet by 11 feet

Deck Area: 15,523 square feet

Deck Panel Dimensions: multiple

Deck Depth: 5 inches

Deck Weight: 8.8 psf

### Bridge Features

Special Requirements:

- Some deck panels are curved
- Includes drainage scuppers

Cross Slope: 1%

Non Slip overlay: quartz aggregate

Color: Tan

