



South Reserve Street Crossing

Missoula, Montana

Overview

Missoula County received a grant to connect the Missoula-to-Lolo Trail and the Bitterroot Branch Trail. Their challenge was finding a way for bicyclists and pedestrians to cross South Reserve Street safely. This pedestrian bridge crosses this busy street to complete a 45 mile trail.

Owner: Missoula Redevelopment Agency

Installation Date: May 2017

Bridge Deck Dimensions

- Deck Size: 715 by 10 feet
- Deck Area: 7,235 square feet
- Deck Panel Dimensions: 16.6 feet by 10.5 feet
- Deck Depth: 3.5 to 5.3 inches
- Deck Weight: 9.5 psf

Bridge Features

Requirements:

- 100 psf live load; L/500 deflection
- Vehicle load H-5

Superstructure: Steel stringers

Beam Spacing: 46.5 inches

Deck to Beam Connection: Steel connection clips

Special Requirements:

- Built in heated system
- Includes drainage scuppers

Cross Slope: 1.46%

Non-Slip Overlay: Quartz aggregate

Color: Gray

