



Columbia River Skywalk

Trail, British Columbia, Canada

Overview

When the City of Trail, British Columbia closed a century old vehicle bridge, they needed a new sewer pipe bridge across the Columbia River. They recognized an opportunity to add other utilities and construct a new pedestrian bridge to connect people on both sides of the river.

Owner: City of Trail, British Columbia

Installation Date: December 2016

Bridge Deck Dimensions

Deck Size:

- Span Section: 722 feet by 13.1 feet
- Tower Section: 180 feet by 23 feet

Deck Area: 13,613 square feet

Deck Panel Dimensions: 13.1 feet by 8.2 feet

Deck Depth: 3.1 inches to 5.7 inches

Deck Weight: 8.35 psf

Bridge Features

Requirements:

- 84 psf live load; L/500 deflection
- Concentrated load of 2100 lb on one sf

Superstructure: Steel stringers

Beam Spacing: 8.2 feet

Deck to Beam Connection: Steel connection clips

Special Requirements:

- Deck includes drainage scuppers and access hatches
- Insets in panels for stringer splices
- Special shapes around masts

Crown: 2% Crown

Non-Slip Overlay: Epoxy aggregate

Guard Rail: Attached to deck

Color: Gray

