

DIALOG

BOW VALLEY GAP WILDLIFE OVERPASS

Making highways safer for drivers and animals through innovative Wildlife Overpass design



Bridges & Urban Infrastructure

LOCATION

Highway 1, East of Canmore, Alberta

CLIENT

Alberta Transportation and Economic Corridors

COMPLETION

2024

COLLABORATORS

Thurber Engineering

Egis Group

DIALOG SERVICES

Prime Consultant

Structural Engineering

Landscape Architecture

Wildlife Exclusion Fencing

The Trans-Canada Highway (TCH) east of Banff National Park in the Bow River Valley is one of the busiest stretches of roadway in Alberta with current traffic counts exceeding 22,000 vehicles per day on average and up to 30,000 vehicles per day during the summer. It acts as a key access point to the mountain parks of the Canadian Rockies and connects Calgary to local communities and the Stoney Indian Reserve. Historically, this section of highway has been a hot spot for wildlife vehicle collisions (WVCs). Large animals such as deer, elk and bears have been victims of WVCs, along with the drivers of the vehicles. In addition to the high rate of WVCs, the highway acts as a physical barrier to wildlife migration routes and patterns.