WILDLIFE OVERPASSES

Design That Bridges the Wild and the Road

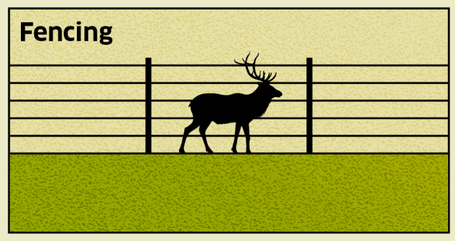
THE PROBLEM

Highways connect people to nature, but they also divide habitats, block migration routes, and cause wildlife-vehicle collisions.

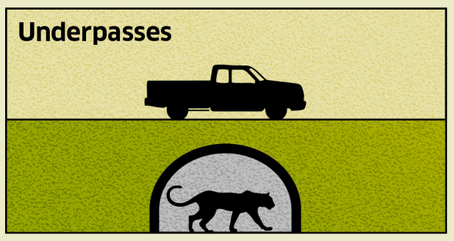
Every 38 minutes
wildlife is struck by a vehicle in Canada

These collisions cost human and animal lives, and incur costs for medical care and infrastructure repair.

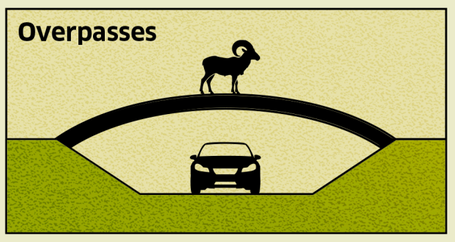
COLLISION PREVENTION OPTIONS



- Can reduce collisions by 97-99%
- Divides habitats and blocks migration routes
- Effective to guide animals when paired with other options



- Can reduce collisions by 80%
- Reconnects habitats and enables wildlife migration
- Used by many species, and preferred by black bears and cougars

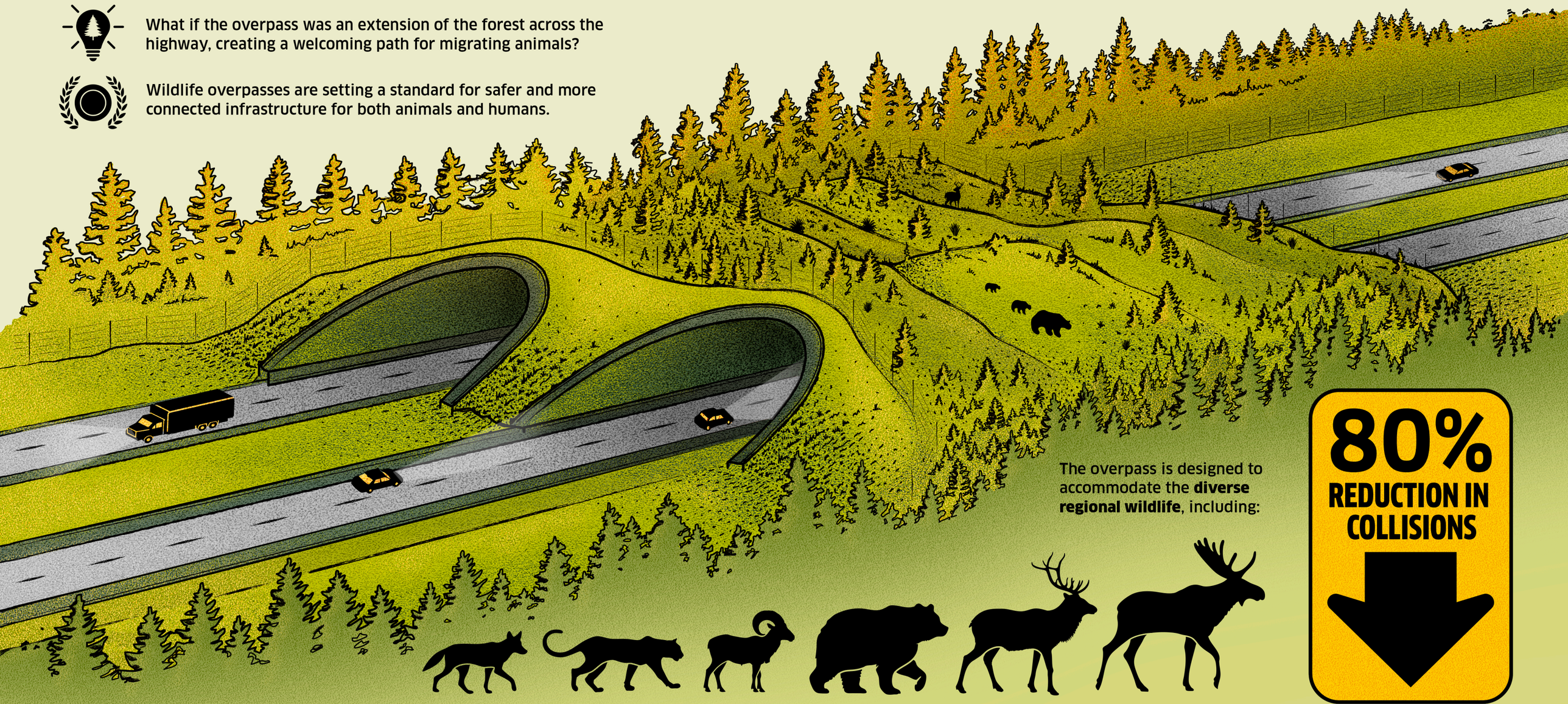


- Can reduce collisions by 80%
- Reconnects habitats and enables wildlife migration
- Used by all species, and preferred by large ungulates and grizzly bears

A NEW PATH

What if the overpass was an extension of the forest across the highway, creating a welcoming path for migrating animals?

Wildlife overpasses are setting a standard for safer and more connected infrastructure for both animals and humans.



The overpass is designed to accommodate the **diverse regional wildlife**, including:

80% REDUCTION IN COLLISIONS

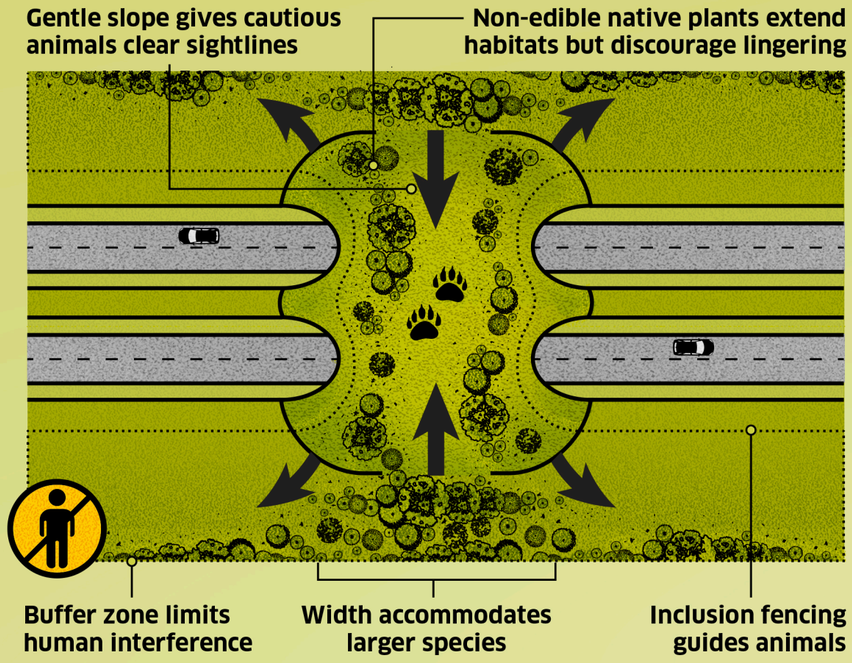
BETTER BY DESIGN

Wildlife overpasses are among the most effective solutions to wildlife-vehicle collisions, maintaining continuous corridors for animals to move, feed, and migrate while keeping them separate from traffic.

The Peter Lougheed Wildlife Overpass in Alberta is a successful example of this typology. Spanning a busy four-lane highway between Calgary and Banff, it sits within one of the province's most active wildlife corridors and has reduced collisions by 80%. While the $16-million investment was substantial, the savings in lives, healthcare, maintenance, and property damage will more than offset the expense during the infrastructure's lifespan.

Designed by an integrated DIALOG team in collaboration with wildlife experts, transportation authorities, and local communities, the project demonstrates how infrastructure and ecology can coexist. Building on this success, Alberta has announced nine additional wildlife crossings, with DIALOG leading the design of six.

BRIDGING THE GAP



LOCATION SELECTION

Migration data
Where do animals need to go?

Collision rates
Where are collisions rates high?

Site suitability
Is the geographic setting appropriate?

Constructability
Can logistics be accommodated?

Land use security
Will both sides remain undeveloped?

Vehicle speed
Are speeds high enough to pose risk?

There are 15 animals within this infographic. Can you find them all?

DIALOG