



Best Practices Manual



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Goals

1. Improve human safety
through reducing collisions with large animals
2. Improve or maintain habitat connectivity for terrestrial
wildlife species and selected feral species
through providing safe crossing opportunities



Species groups (3 sections in manual)

- Large wild mammal specie (larger than coyote)
- Selected free ranging livestock (cattle) and feral species (cattle, horses, donkeys)
- Small terrestrial wildlife species (amphibians, reptiles, mammals coyote size or smaller)



Selected Measures

Assumptions:

- Road and traffic remain
(i.e. exclude road removal, and permanent or temporary road closures).
- Culling, relocating and anti-fertility treatment are not acceptable for livestock, but can be considered for feral large mammals.



Large wild mammal species, small terrestrial species

Criteria 1: At least 50% reduction in collisions or direct road mortality (i.e. exclude measures that are less effective, or that lack data on effectiveness).

Criteria 2: Reduce the barrier effect of roads and traffic (i.e. exclude measures that increase the barrier effect of roads and traffic, and exclude measures that do not aim to reduce the barrier effect of roads and traffic).

Selection:

- Barriers (fences) in combination with crossing structures



Free Ranging Livestock and Large Feral species

Criteria 1: At least 50% reduction in collisions or direct road mortality (i.e. exclude measures that are less effective, or that lack data on effectiveness).

Optional criteria 2a: Assisted connectivity for livestock.

Optional criteria 2b: Non-assisted connectivity for large feral mammals

Free ranging livestock

- Roadside animal detection system
- Barriers (fences)
- Barriers (fences) in combination with crossing structures

Large feral mammal species:

- Culling. Relocation, Anti-fertility treatment
- Roadside animal detection system
- Barriers (fences)
- Barriers (fences) in combination with crossing structures



Manual

- Planning and design
 - Implementation and construction
 - Operation and maintenance
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- Practical
 - Heavily illustrated

