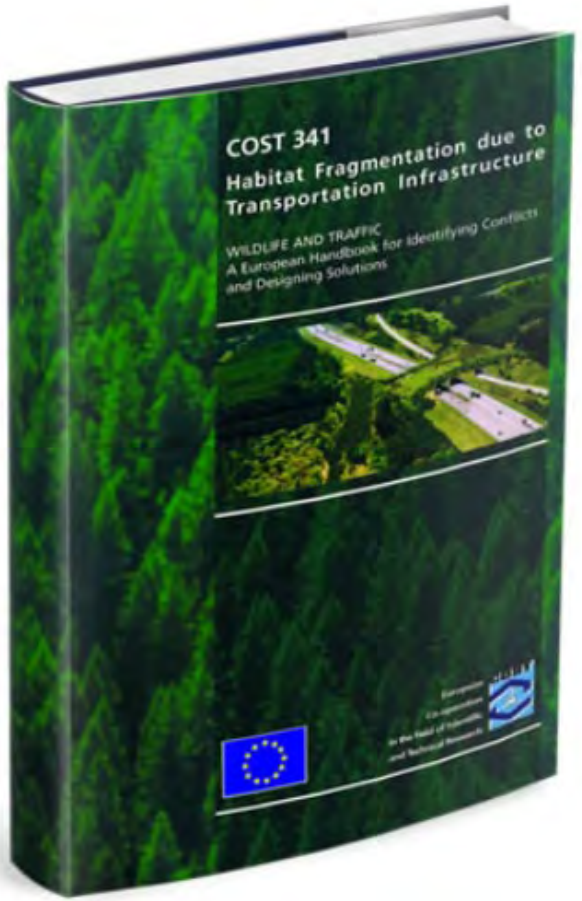
https://handbookwildlifetraffic.info

Orig. version 2003

Updates: 2020,21,22



Wildlife & Traffic

A European Handbook for Identifying Conflicts and Designing Solutions

7 Solutions to reduce transport infrastructure impacts on wildlife

Updated version (2022). Produced in cooperation with the project Horizon 2020 BISON. 'Biodiversity and infrastructure synergies and opportunities for European transport networks'.

Print PDF

Types of measures

Reducing mortality and disturbance

Specific measures

- Fencing
- Driver warnings
- Wildlife deterrents

Adaptation of the infrastructure design and management

- Adapting infrastructure verges
- Noise screens
- Earthen mounds
- Adapting kerbs and drains
- Adapting road lighting
- Carcasses removal

Reducing barrier effect

Above the infrastructure OVERPASSES

- Landscape overpass (Ecoduct, Green Bridge)
- Wildlife overpass (Fauna overpass)
- Multiuse overpass

Specific solutions:

- Tree-top overpass (Canopy bridge)

Below the infrastructure UNDERPASSES

- Landscape underpass (adapted viaduct)
- Wildlife underpass (Fauna underpass)
- Multiuse underpass

Specific solutions:

- Small fauna underpass
- Adapted culvert (with dry passage)
- Amphibian passage
- Fish passage

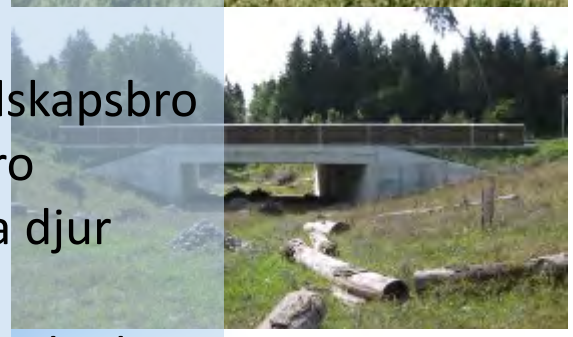
At infrastructure level:
AT-GRATE, LEVEL CROSSINGS

Separate *structure* from *main function*

“passage function” provided for over/under/level

- Landscapes / ecosystems
- Wildlife / fauna (multiple species)
- Specific fauna passage (focal species)
- Multi-use passages (human use included)
- [Water passage, stream crossings]

VGU:
Ekodukt / landskapsbro
Faunaport / bro
för medelstora djur
för kräldjur
för vattenlevande djur



BISON

BIODIVERSITY AND INFRASTRUCTURE SYNERGIES AND OPPORTUNITIES FOR EUROPEAN TRANSPORT NETWORKS

New online handbook in 2023:

- Plattform and forum
- Regular updates
- Commenting
- Online, printable, e-book
- Added chapters