Wildlife Vehicle Collision Reduction and Habitat Connectivity
- Pooled Fund Study, TPF-5 (358), Task 1

**REDUCE**
Wildlife Vehicle Collisions

**INCREASE**
Habitat Connectivity

**IMPLEMENT**
Cost Effective Solutions

$1.2 million $ committed research funds

2 Bi-national support, U.S. and Canada

14 Research partners

POOLED FUND STUDY BY THE NUMBERS

11 Research projects

26 Authors

14 Research reports nearly 1,000 pages

LINKS TO RESEARCH REPORTS

**Economics**

Cost effective solutions: Animal-vehicle collision reduction and habitat connectivity - *synthesis*

Cost effective solutions: Incorporating wildlife passive use values in collision mitigation benefit-cost calculations

Cost effective solutions: Incorporating deer and turtle total value in collision mitigation benefit-cost calculations

Cost effective solutions: Cost-benefit analyses of mitigation measures along highways for large animal species: An update and an expansion of the 2009 model

**Ecology**

Cost effective solutions: Animal-vehicle collision reduction and habitat connectivity - *literature review*

A comparison of elk-vehicle collision patterns with demographic and abundance data in the central Canadian Rocky Mountains

Long-term responses of an ecological community to highway mitigation measures

A before-after-control-impact study of wildlife fencing along a highway in the Canadian Rocky Mountains

Wildlife barriers: The effectiveness of electrified barriers to keep large mammals out of fenced road corridors

**Design**

Improving Connectivity: Innovative Fiber-Reinforced Polymer Structures for Wildlife, Bicyclists, and/or Pedestrians

Research to Inform Passage Spacing for Migratory Amphibians and to Evaluate Efficacy and Designs for Elevated Road Segment (ERS) Passages (USGS)

Wildlife barriers: Modified jump-outs for white-tailed deer and mule deer

Internal structural cover and ledges facilitate the use of large underpasses for multiple wildlife species and groups (USGS)

**Practices**

Cost effective solutions: Cost-benefit analyses of mitigation measures along highways for large animal species: An update and an expansion of the 2009 model

Cost effective solutions: Best practices manual to reduce animal-vehicle collisions and provide habitat connectivity for wildlife

All reports, recorded presentations and other project resources can be found here:

http://tpf-5-358_WVC-Study.org