

Factors Influencing Design, Location and Function of Ecoducts

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Abstract:

For maintaining possibility of animal migration over expressway and motorway roads are in present for newly constructed roads in place of biocorridors designed special structures – *ecoducts*. These structures serve for minimization of animal population fragmentation. During their designing it is necessary to take into account for what animals are determined, their location in terrain preferably in place of their current natural migration traces. The way of designing and implementation must enable their further functional use. Therefore is necessary to chose proper shape and used materials and also modification of their surroundings and access places. Among factors influencing design, location and function of ecoducts are width, surface treatment, surface ordering, location, technical equipment supplementary steps and loads. Each mentioned factors influencing functionality of ecoducts are in paper discussed and are assumed generalized conclusions and recommendations.