

### 公路建设对生态敏感区域生态系统稳定性的影响评估

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### Impact Assessment of Highway Construction on Ecological System Stability in Ecological Sensitive Area

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**摘要** 在辨析生态系统稳定性概念的基础上分析公路建设与生态敏感区域生态稳定性关键因子之间的关系,认为公路建设项目主要与景观生态空间格局、自然生产力水平、关键物种3个关键因子密切相关,总结形成了公路建设对区域生态系统稳定性影响的评估框架和评价方法,并运用该方法研究了拟建121省道宿迁双沟至靳桥段对洪泽湖湿地生态系统稳定性的影响。

**关键词:** 公路建设 生态敏感区域 生态系统稳定性 影响评估

**Abstract:** Based on the concept of ecological system stability, relationships of highway construction with key factors of ecological system stability in ecological sensitive areas were analyzed. Spatial patterns of landscape ecology, level of natural productivity and density of dominant biological species were found to be the key factors. A framework and methods for evaluation of impact of highway construction on ecological system stability of the area were put forward. The framework and methods were applied to the study on impact of the construction of Highway 121 that passes through the National Hongze Lake Wetland Reserve.

**Keywords:** highway construction ecological sensitive area ecological system stability impact assessment

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