

# 三芝北投公路交通建設生態補償評估之研究

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## 摘要

Transportation construction is the basis for our infrastructure. It not only improves the traveling convenience, but also revives the economic growth among various regions. However, according to different studies, the total area of roads and their shoulders only occupies about 1% to 2% of the total land area of a nation, but their ecological impact covers about 10% to 20% of the total area. Taiwan, because of its particular geographical position and specific landscape, has been rich in its diversity of species. The Portuguese praised Taiwan as "Formosa". However, in the past years, our nation has paid more attention to its development and neglected to protect the environment. This has caused irreversible damage to the environment. Fortunately, in recent years, under the promotion of experts and scholars, the "ecological compensation system" has been introduced to Taiwan

"Ecological compensation" is based on the three mechanisms, "Avoid", "Mitigation", and "Compensation" to reduce the impact of infrastructure construction on the ecological environment. This paper uses the evaluation framework for transportation infrastructure construction and the criteria for choosing one of the three ecological compensation mechanisms developed by Yang to evaluate the ecological compensation on Sanchih-Peitou Highway .

關鍵字：Ecological compensation, transportation construction, environmental impact assessment