

ภาษาอังกฤษ

ส่วนที่ 1

Research Title An Analysis of Area Based Development through the West Motorway
under Dawei Special Economic Zone Project

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Subjects (based NRCT) Economic, Social and Cultural field of Study

ส่วนที่ 2 Abstract

The objectives of this study are to analyze land use changes along the east motorway and west motorway by using GIS information from 2002, 2009 and 2015 and examine the socio-economic effects and environmental health impacts in communities beside the motorways from 2005 to 2015. A mixed research methodology derived from quantitative and qualitative approaches was introduced in this study. Three sample communities were drawn from both the east and west motorways. Data collection was gathered between March and October 2015 from the sample communities by general surveys, key informants, in-depth interviews and questionnaires sent to 95 random households along the east motorway and 94 from the west motorway.

The findings indicated that motorway no.7 has changed land use patterns significantly. The road caused the establishment of newly-urbanized areas and industrial zones alongside the motorway. Due to better salaries, the change has increasingly motivated farmers to work in non-farming sectors, i.e., industry, trade and commerce and services. However, social ills and negative environmental health effects have significantly increased, particularly from slum dwellings, while the green environment has deteriorated. Despite the fact that agriculture still prevails beside motorway no.81, findings strongly suggested that heavy urbanization in the areas is inevitable, especially in Nonthaburi Province. Though motorways generally rebuild vibrant non-farming economies and generate sufficient income for local people, nearby communities face negative consequences, e.g., population migration, environmental deterioration and pollution. Therefore, the government must make decisive interventions at every level concerning sustainable land use patterns in communities located along motorway areas.

Key words: the West Motorway, Land-use changes, Motorways' impacts Dawei