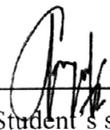


Krittayapong Siriploy 2008: The Study for Development of Intelligent Transport Systems in Thailand. Master of Engineering (Civil Engineering), Major Field: Civil Engineering, Department of Civil Engineering. Thesis Advisor: Associate Professor Watcharin Witayakul, M.Eng. 103 pages.

Over the past decade there has been a constant increase in travel and transport demand and it is predicted that this will continue in the future in line with projected growth in population and economic activities. Transportation infrastructure requires huge capital investment and normally takes several years of planning and construction before opening to public. Many projects face obstacles and long delays due to problems such as right-of-way acquisition and environmental concerns. Expansion of transportation infrastructure alone cannot keep pace with the ever-increasing demand. Recent international trends in transportation policy have therefore shifted toward better operation and management of existing infrastructure. Rapid developments in computing, information and communication technology (ICT) make deployment of this technology both feasible and cost effective, facilitating its application in transportation systems as a mechanism to better manage existing infrastructure. With maturing technology the rate of application of technology is accelerating and the days when the concepts emerged only in research and testing are well past.

The aim is to provide an intelligent operation and management services for transportation system as well as to provide appropriate travel information for the general public. The plan will also set an investment framework to reduce duplication and integrate systems by concerned agencies into one unified transport service for the region



Student's signature



Thesis Advisor's signature