

Special Research Studiers Title	Problems and Obstruction Causing Delay in the Construction of King Post Pile Walls for Canals in Bangkok
Special Research Studiers Credits	6
Candidate	Mr. Sompon Vathisoonthorn
Special Research Studiers Advisors	Asst. Prof. Dr. Santi Charoenpornpattana Asst. Prof. Dr. Wutthipong Moungrnoi
Program	Master of Engineering
Field of Study	Construction Engineering and Management
Department	Civil Engineering
Faculty	Engineering
Academic Year	2013

Abstract

The construction of the retaining walls for canals in Bangkok is often related to the problems of suspension and extension of contract, which frequently affect the inhabitants of Bangkok. Identifying the causes of problems precisely might help to solve the postponement of contract and reduce negative impacts on neighboring people.

The objective of this study was to analyze problems and obstacles causing delay in the construction of King Post Pile Walls for canals in Bangkok. The study focused on data obtained from project contractors and project inspectors. Questionnaires were used for data collection. Severity Index was adopted for analysis and comparison. The data analysis revealed the problems and obstacles causing delay in the construction of King Post Pile Walls. The independent Sample T-test indicated five critical factors that both groups of the research subjects (project contractors and project inspectors) considered to be problems and obstacles causing suspension and extension of contract. The two groups agreed on the first and second critical factors. The first-ranked factor was illegal settlement along the canals (not intentionally) and illegal construction (deliberately) whereas the second-ranked factor was the shortage of government budget leading to late payment and lack of liquidity in the private sector.

Keywords : Delay / Problems and Obstruction / Retaining Walls for Canals