

THAVEESOOK TUANGSOOKKA'SEM : A STUDY OF MATERIALS MANAGEMENT SYSTEM FOR BUILDING CONSTRUCTION PROJECTS. THESIS ADVISOR : ASST. PROF. VISUTH CHOVICHIE, Ph.D. 174 PP.

The research is pertaining to the study and survey of M.M.S.(MATERIALS MANAGEMENT SYSTEM) in 7 building construction projects in central business district of Bangkok Metropolitan, of which the construction costs ranging from 50 million baht to 500 million baht. The objectives are concentrated on comparing the field practice with the ideal M.M.S. model, collecting groups of field problems related to materials management practice, analyzing the effect of these problems on cost, time, and quality, and introducing guidelines to alleviate the problems. Questionnaires were distributed to construction firms to collect information related to field M.M.S. process which mainly consists of 1) Material Schedule Planning 2) Material Procurement and Purchasing 3) Material Transportation 4) Material Receiving and Unloading 5) Storing and Inventory Control 6) Withdrawing and Handling 7) Material Using. The results show that the field practice were mostly concurrent with the ideal M.M.S. model, while most observed field problems were short termed, and affect cost, time, and quality depending on each project's individual problems. It was suggested that field problems be alleviated by consistently imposing higher level of material control by company and site management.