

Special Research Studies Title	Safety Management Program for High-rise Building Construction Sites in Thailand
Special Research Studies Credits	6
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Degree of Study	Master of Engineering
Department	Civil Engineering
Academic Year	2000

Abstract

Construction safety becomes concerned more and more due to higher lost of lives and property as more complicated projects are commenced. Since one major problem regarding construction safety is lack of on-site data collection and control, it leads to inadequate safety awareness and eventually accidents. Therefore, the main objective of this research is to design a system for on-site safety data collection and storage to help project managers manage the site effectively. Necessary forms and accident reports are developed for safety officers, store keepers and engineers to use efficiently and practically. The data and accident reports will be regularly collected and stored through the designed database system. The program will then analyze, compute and evaluate safety condition of the site according to proportion of loss for each accident, frequency, lost of lives and expenses. Moreover, various types of reports can be produced from the program for comparison and targeted improvement. In addition, this system was assessed by experts in high-rise building construction and the results were acceptable.

Keywords : Safety / Safety Program / Safety System / Safety Management / Accident / Database System