Special Research Study Title	Information System of Construction Progress Measurement and Cost Control using Work Breakdown Structure Concept
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Abstract

Construction work measurement is not well understood and is considered difficult. Consequently, it is not commonly applied in project control. Work performed is normally calculated using bill of quantity, which does not correspond to actual work breakdown structure of the project. Thus, project control can not be done effectively.

This study has looked into the possibility of applying simple computer technology to project cost control using work breakdown structure. Widely available and acceptable database software has been chosen to develop an information system for cost control using work breakdown structure as the main database. The developed information system is practical and user-friendly. Novice users can use the system without experiences in database management. Moreover, a work breakdown structure's coding system of a simple building construction has been developed. Costing system is also included in the database. The coding system and cost data can be modified to accommodate each project. Therefore, the information system can produce accurate cost control data, which eases the project control process. Plan and actual cost variance can be orderly determined using the information system.

Keywords: Work Breakdown Structure / Information System / Coding System / Cost Data