

Thesis Title	Guideline for the Management of Urban Goods Movement
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Abstract

The objective of this thesis was to study the guideline for the management of urban freight transportation. The cooperative concept was the guideline for the development of freight movement efficiency. The study was focused on the group of freight, which are considerably suitable for using the truck terminal. Bangkok and surrounding areas were used as the case study. The linear programming was applied to determine the economical pattern of freight movement. The procedures of this thesis were divided into 3 parts. The first part was to study the situation of freight transport operators. The second part was to develop the patterns of freight movement by area – wide consolidation and business cooperative. Finally, the changes in efficiency of both patterns were compared.

The results indicated that cooperative concept could save transport cost by 13.24 and 17.70 percent per trip. Most of freight carriers could understand and interested in cooperative concept. Even though they were intended in this concept but the implementation was ambiguous. For the overall of freight movement in Bangkok, the cooperative concept could save the fuel consumption about 335.42 millions baht per year and the NO_x emission 470.35 tons per year. These results showed that the cooperative concept was an alternative, which could be used for improving the efficiency of urban goods movement.