

## ABSTRACT

**“Bus Dispatching During Rush Hour Periods”  
A Case Study on Bus Line No. 12 (Huey Kwang to  
Ministry of Economic Affairs)**

The insufficient capacity of buses during the rush hour is an unending problem that the passengers, the bus corporations and the Government have to face. This problem seems to be growing while the city is expanding. Therefore, the author has proposed an approach to solve the said problem involving no increase in the number of buses. His measure is to dispatch buses correspondingly with the nature of rush hour and crowded spots.

To test his approach the author took the case of Bus Line No. 12. Survey was done in two stages. Firstly, there was an observation to locate the period of rush hour, by which it was found that 06.00 am. – 08.30 am. is the most crowded period in the morning for the said bus line. Secondly, trained observers were directed to identify the peak of rush hour and the bus stops where the largest numbers of passengers entered and left the buses. The author then developed a new interval and route-distance dispatching schedule for buses. His recommended schedule has successfully proved its feasibility under the limitations of present road conditions and number of passengers during the said period of time as well as the small capital investment of the bus owner.

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