

Thiti Meepio 2008: A Study of Parking Characteristic of Park&Ride Facilities; A Case Study of MRTA Park&Ride Building at Lad Phrao Station and BTS Park&Ride at Mochit Station. Master of Engineering (Civil Engineering), Major Field: Civil Engineering, Department of Civil Engineering. Thesis Advisor: Associate Professor Pongsak Suriyavanagul, Ph.D. 85 pages.

The objective of this study was to analyze the characteristics of Park&Ride areas which at the present, there are different types of usage. The data about 1) the parking accumulation, 2) the percentage of parking occupancy area, 3) the parking turn over, 4) the parking duration time, 5) the parking volume cordon count and 6) the parking demand in the study areas were collected from MRTA Park&Ride Building (charging fee), and BTS Park&Ride Parking Lots (free of charge).

After studying from those two Park&Ride areas customers during weekdays and weekends, the data proclaimed that the average maximum percentage of parking accumulation were 35.5, 25.9, 216.4 and 150.3, respectively while the percentage of parking turnover were 1.01, 0.72, 3.37 and 2.68. The demand of parking space in the parking building and the parking lots were at 965 to 2,366 parking spaces. Meanwhile, it was found that there were highest numbers of parking usage during 07.00 – 08.00 am on weekdays and during 11.00 – 14.00 pm on weekends.

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Thesis Advisor's signature

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