

Thesis Title A Study of Land Development of Expressway And Rapid Transit Authority

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ABSTACT

The objective of this research was used to study up on the parking lots design which link to the area of Argnarong – Ramindra expressway by The land's Development of the Expressway Authority of Thailand.

Random sampling was generally the best way to draw a sample from a population. From this random sampling , every member of a population had an equal opportunity to be in the sample and pure chance was the only factor that determine who actually went into the sample, The following were to be observed to ensure the desired success form 3 target groups of a population:

- 1) Using the substantial and behavioral questionnaires to the pedestrian.
- 2) Recording from type of vehicles and time tables with map of this area from every person, who used the vehicle (car and motoreycle).
- 3) To ask questions to the pedestrian and every person who used the vehicles in an interview, by using the questionnaire and map of this area.

The data's analysis in 250 questionnaires or 100 % from group 1. According to the amount of the answers that unequal. Some question had 2 or 10 answers. So that the percentage of the answers will be desired as separate individuals, which most of the answers had more than 50 %.

The data's analysis by selected the amount of the vehicles for design the intersection.

- 1) The types of the vehicles in rush-hour by keep in the percentage.
- 2) Summarize the frequency data in percentage.

The data's analysis by interview to a population in 2 Kilometer around this area.

- 1) Using the map and 4 questions for study the important point of this were the example form the questionnaires

- What kind of the vehicle do you drive to the office?
- Do you agree with the development of this land to be the parking lots?

- 2) The answers of the questionnaires would desired in percentage. Each of question can only be one answer. The result from the data's analysis showed that the people needs to park their vehicle in this area and unnecessary for take into the city, And also can take the servicing from the Mass Fransit System, Resting area and 4 entry/exist ways.

The result from the random sampling by using the questionnaire to the pedestrian who agreed with the parking lots area should have the mass transit system and they could choose the traffic's ways by themselves.

The results from the random sampling by select the amount of 4 wheels vehicle and motorcycle in the morning and the evening rush-hour. To determines the traffic's timing, extend the driveways and solve the traffic's problem

The results from the random sampling by interviewed the pedestrian and every person who used the vehicles in this area, in the opinions that they need the servicing from The mass transit system, the parking lots, and also u-turn area for protect the problem of the traffic in the electric train area.

Principle of design

extend 4 lanes the driveways in soi Sukhumwit 50 on the way round Paknam's old train tracks.

The entry/exist of the parking lots should have enough for protect the traffic's problem.

For support the mass transit system by using the plan from the study area.

For protect the air pollution should grow many trees.

Separate the parking lots ; personal car, Bus.

The building should design for perspective balancing with environment.

The entry/exist and Toll fee counters of the expressway should have enough for protect the traffic's problem.