SOMKIAT CHAIPRASERT : DATABASE DESIGN OF LAND GAS TRANSPORT VEHICLES TESTING AND INSPECTION CONTROL FOR FUEL AND GAS CONTROL DIVISION, PUBLIC WORK DEPARTMENT. THESIS ADVISORS : ASSISTANT PROFESSOR SUYUT SATAYAPRAKORB, ASSISTANT PROFESSOR BOONCHAI SOWANWANITCHAKUL, 164 PP. ISBN 974-582-560-3

The objective of this research was to design the database of land gas transport vehicles testing and inspection control for fuel and gas control division, Public Work Department. A microcomputer was used to implement the design of the processing system.

In database design, the researcher collects useful data and reports for land gas transport vehicles testing and inspection control and then normalizes it to receive a relation table in the third's normal form. Next step, the relation table received from normalization is analized and summarized, and built to the relational data model diagram. Afterwards, a database table is created by using a ralational database management system (FOXPRO).

A database software package for land gas transport vehicles testing and inspection control for fuel and gas control division, Public Work Department is obtained as the result of the research. The fuel and gas control division, Public Work Department, will benefit using the package.