

# **A STUDY INTO THE PLANNING AND MANAGEMENT OF MACHINERIES, MATERIALS AND LABOR FOR THE CONSTRUCTION OF A HIGHWAY PROJECT IN PORT DICKSON**

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## **ABSTRACT**

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The main element for this project would be the planning and management in highway construction project. As we know, it is not an easy process to construct a highway, as it used a large sum of money and needed lot of planning before it is finally completed. There are normally two kinds of pavements that exist in the industry which widely used, which is the flexible and rigid pavement. Both of these pavements have their advantages and disadvantages respectively. For my case study, flexible pavement was chose to pave the highway road.

Three elements are important in constructing the highway project which is the machinery, labor and materials. In this report, there is only explanation on the machinery and materials, as both of these are more important of compare to labor, as highway project is machinery intensive project. A good planning together with management determines the success of construction project. COM (Critical Path Method) would be the planner told that normally used in the industry for planning the activity throughout the project.

Preliminary is also included in this report too. Preliminary is one of the important elements in highway construction. Normally, it forms up around 10% to 15% of the sum of highway project.

Finally, as my case study was related to the construction of flexible pavement, there would be a chapter in this report which explained on the procedure to construct flexible pavement which started from site investigation.