

【習作五】

Selection of 4R Alternatives Applications of the EXPEAR Program

- 一、試說明 EXPEAR 程式構建之基本理念與其基本功能。

- 二、 An existing JPCP pavement was surveyed and later recorded in the computer file "I10191.dat," which was provided as a part of the EXPEAR program for JPCP pavement in the class.
 - (a) Please use the default critical values and costs to conduct pavement evaluation and propose at least two rehabilitation alternatives (including AC and PCC overlays). Please do NOT show the evaluation results. Note that the overlay thickness has to be carefully determined based on the design procedure as described in the classnotes.
 - (b) Compare them and select the preferred alternative based on Life-Cycle Cost analysis. Please also manually verify the rehabilitation quantities and costs as obtained from the computer outputs.