

SUMMARY

The object of this report is to review the concreting operations on the Princess Margaret Highway Improvement to Dual Carriageway Standard Project under four major headings. These include broadly: the supply of the concrete for the works, the quality control/quality assurance programme maintained, the approaches to problem solving and the use of the project for training and research.

The alternatives available to the Contractor to provide the concrete were examined and the problems associated with each of these were analysed. The suitability of his choice and the results derived were studied.

The system of quality control and quality assurance maintained on the Project, particularly that employed by the Consultants engaged in the supervision of the Project was detailed. The results achieved by this programme were discussed.

An appreciation of the problems encountered and expected with concrete on the project was also presented. The precautionary measures taken to minimise these were outlined. The problems that occurred on the site were few, but in those cases they were studied by the supervision personnel with a view to assessing their causes and the possible measures to avoid them. The details of these approaches are also contained in this report.

The use of the project as a research and training programme was studied. It was established that very little

of this was done.

ACKNOWLEDGMENTS

Having concluded the studies and analyses mentioned above, conclusions were drawn, and recommendations for future projects were forwarded.

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