

FOREWORD

This project was developed to answer several questions in regard to undersealing of Portland Cement Concrete pavements. Equipment was recently purchased by the Department to replace old "mud pump" units. These units are designed to pump a cement - flyash grout to fill voids under the pavement created by traffic action and erosion. This work is very similar to contract undersealing work which is beginning to be utilized in conjunction with other concrete pavement repair work.

The purpose of the project was to determine an optimal hole pattern, and to also determine if it is practical to underseal a pavement with existing longitudinal subdrains without plugging the subdrain system.

The conclusions represented in this report are the opinions of the authors and do not necessarily represent the official views of the Iowa Department of Transportation-Highway Division. This report does not constitute a standard, specification or regulation.