



THIS MEMO HAS EXPIRED July 2, 1998

MEMORANDUM 033

TO: DISTRICT CONSTRUCTION ENGINEERS

FROM: J. B. Lairscey, State Construction Engineer

COPY: Charles Goodman, Archie Montgomery, Jim Musselman,
District Bituminous Engineers,
Area Construction Engineers

SUBJECT: UNPATCHED CORE HOLES ON ASPHALT PAVEMENT

It has been noted on some projects that the core holes on the asphalt pavement were either unpatched or patched improperly during construction. Dust, trash or other foreign materials are collected in the holes and water enters into the pavement on rainy days. This deficiency could potentially affect the integrity of the pavement's mat structure and cause distress or even failure.

In order to correct this problem, all efforts must be directed on the job site to backfill the core holes as soon as possible, with an approved hot-asphalt mix, after coring operations. The hole to be patched must first be cleaned. The backfill material must be put into the hole carefully to prevent segregation. This material must then be compacted thoroughly to produce a permanent patch. The hole should not be overfilled in anticipation of traffic compaction. A straightedge or ruler should be used to check the evenness of the backfilled surface.

Please call David Wang at (sc)414-4152 if you have any questions on this issue.

JBL/dw