

83-01

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April 21, 1999

MEMORANDUM

TO: District Engineers

FROM: CHIEF ENGINEER
James H. Kopf *JHK*

RE: Chemically Treated Subgrades

*SONORA -
COPY FOR:
PURVIS -
B. LEWIS -
SECTION ENGINEERS -
STEVE R.
J.P.
JH 4/28/99*

In an effort to provide increased integrity in the subgrades, all paving projects shall include chemical treatment of the subgrade prior to the placement of the pavement structure (pavement, base and subbase material). The implementation of this policy will result in more consistent pavement structures statewide.

Normally, typical sections will be developed in a manner which allows a selection between lime treatment (6 inch depth, 6% lime, class "C" application) and lime fly ash treatment (6 inch depth, 3% lime, and 12% fly ash), depending on soil conditions. In this case, plan quantities will be based on an estimated percentage of each of these two methods. Each District will be required to recommend the type treatment to be used (example: 50 percent lime treatment and 50 percent lime fly ash treatment).



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The treatment of the subgrade will not affect the pavement design or the design CBR.

This requirement may be waived in the case of short lengths of new pavement, or local road relocation.

The implementation of this policy in regards to previously approved designs will be determined on a case-by-case basis.

pc: Federal Highway Administration
Assistant Chief Engineer-Preconstruction
Assistant Chief Engineer-Operations
District Construction Engineers
District Materials Engineers
Materials Division
Geotechnical Branch
Construction Division
Research Division
Roadway Design Division
Central Files