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Northern District Commissioner

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Central District Commissioner

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March 2, 1998

MEMORANDUM

TO: DISTRICT CONSTRUCTION ENGINEERS

FROM: ROADWAY DESIGN DIVISION
C. Keith Purvis *CKP*

RE: LIME FLY-ASH TREATMENT

In accordance with the Chief Engineer's letter dated January 2, 1998, all granular material will be lime fly-ash (LFA) treated prior to the placement of pavement (projects with minor amounts of pavement such as short bridge replacements are exempt from this requirement). Since that time, questions have arisen in regards to plan details for LFA treatment. After discussing several of these issues, the following decisions have been made regarding projects which include the use of LFA treatment:

- 1) Bridge end pavement details will include LFA treatment under the bridge end pavement (see attached example). Previously, the LFA treatment stopped 100 feet (30 meters) from the bridge end pavement, with the asphalt thickness increased to compensate for the reduced structure. This detail should be shown in the plans of all projects which include bridge construction.
- 2) LFA treatment is to be depicted in the typical sections and quantities calculated for: the mainline; interchange ramps; local roads which require an interchange with the mainline; and any new construction or reconstruction of state highways. LFA treatment is not to be shown on cross-overs, driveways, county roads, local roads or streets which do not require interchanges with the mainline.



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3) The width of LFA treatment should comply with the following table:

<u>TYPE FACILITY</u>	<u>PAVEMENT WIDTH IN FEET (METERS)</u>	<u>LFA TREATMENT WIDTH IN FEET (METERS)</u>
Through Lanes	14 (4.2)	14 (4.2)
Through Lanes	12 (3.6)	14 (4.2)
Interchange Ramps	16 (4.8)	16 (4.8)
Interchange Loops	20 (6.0)	20 (6.0) + C/G width + 1 (0.3) behind C/G
Curb & Gutter (C/G) Sections		Pavement width + C/G width + 1 (0.3) behind C/G

These decisions will be implemented in plan development on all projects for which small blues have not been printed.

If future questions arise, please contact Keith Purvis or Steven Reeves of the Roadway Design Division.

Attachment

pc: Asst. Chief Engineer-Preconstruction (Ruff)
Asst. Chief Engineer-Operations (McMahon)
District Materials Engineers
Construction Division (Russell, Crisco)
Roadway Design (Pickering, Balentine, Purvis, Reeves, Section Engineers, Squad Leaders)
Central Files

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