



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
P.O. BOX 25201  
RALEIGH 27611-5201

ROADWAY DESIGN UNIT  
APR 9 1992  
CC: P.E.S  
NILL  
THOMPSON

JAMES G. MARTIN  
GOVERNOR

April 7, 1992

THOMAS J. HARRELSON  
SECRETARY

PLEASE STATE THIS  
INFD WITH YOUR  
DIVISION OF HIGHWAYS  
STAFF.

WILLIAM G. MARLEY, JR., P.E.  
STATE HIGHWAY ADMINISTRATOR

MEMORANDUM TO: Mr. G. T. Shearin, State Roadway Design Engineer  
Mr. W. R. Brown, State Design Services Engineer

FROM: H. W. Landrum *HL*  
Assistant State Engineering Geologist

SUBJECT: Estimating Aggregate Stabilization

There seems to be some confusion regarding the proper method of computing aggregate stabilization estimates - specifically the width to be used. The Geotechnical Unit normally recommends that a stated percentage of the project be set up for aggregate stabilization - this refers to the length along the project "L" line.

It is recommended that future estimates be computed as follows:

Width - (Rigid & Flexible Pavements):

Assume stabilization extends to 1 ft. outside mainline pavement.

Length: Use recommended percentage of mainline length of pavement (Do not use Y-lines, service roads., etc.)

If the Geotechnical recommendation specifically refers to Y-lines, service roads., etc., then this would take precedence over the above procedure, that is, use only Y-lines for computations.

cc: Mr. D. R. Morton  
Mr. R. O. Black  
Mr. L. A. Sanderson