

**DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
Washington, DC 20314-1000**

ETL 1110-2-547

CECW-EG

Technical Letter
No. 1110-2-547

30 September 1995

**Engineering and Design
INTRODUCTION TO PROBABILITY AND RELIABILITY METHODS
FOR USE IN GEOTECHNICAL ENGINEERING**

1. Purpose

This engineer technical letter (ETL) provides an introduction to the use of probabilistic methods in geotechnical engineering.

2. Applicability

This ETL applies to HQUSACE elements and USACE commands having responsibility for the design of civil works projects.

3. References

See Appendix A.

4. Discussion

This is the first in a series of ETL's that will provide guidance on the use and application of probability and reliability methods of analyses for use in the assessment of existing levees for benefit determination and the geotechnical portion of major rehabilitation reports.

FOR THE DIRECTOR OF CIVIL WORKS:

APP A - References
APP B - Introduction to Probability and
Reliability in Geotechnical
Engineering


DOUGLAS J. KAMIEN
Acting Chief, Engineering Division
Directorate of Civil Works