

DISCUSSION

VICTOR P. B. DE MELLO.-

I signed myself up for discussions on Mr. Correa's paper. I merely would like to ask Mr. Correa to include in his final discussion an indication of the shear strength equation he would recommend. It seems to me that all of these problems of bearing capacity, particularly with respect to deep foundations, have no meaning whatever unless somebody gets down to state just what  $N_c$  values he wants to use. It seems to me that all of the formulas that have been worked out so far would be more or less lacking in that respect because when you deal with a deep foundation subjected to loads that are naturally somewhat quick, you have basically two conditions, one being the consolidated quick and the other being the quick. So the superposition of these two effects may not lead at all to as simple a situation as is normally assumed by merely assuming  $S$  is equal to  $c$  plus  $\sigma$  times tangent  $\phi$ . That is a simplification that is adapted for mathematical statical computations but for us, who are engineers who try to work out some of these formulas and find that some of the results obtained are not at all compatible with the final evidence of the field, it seems to us that that is one of the main failings, besides, of course, the substitution of shear strength parameters for deformation characteristics which is also another basic criticism on this type of condition for local failures. This is merely a request, if he can and would like to include it in his final discussion.

O F E R E C E  
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