

THE LOADING AND RESPONSE OF CONCRETE BUNKERS TO SIMULATED NUCLEAR GROUND MOTIONS

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This paper summarized the response of buried reinforced concrete flat-roofed structures to simulate nuclear ground motions from HEST tests. The results of a test series of buried boxes and box elements is describes including measured loadings on the surfaces of the boxes and the failure modes which resulted. A description of analytic approaches to the loading and response of the test structures is also included.