

AFCESA A-GRAM



AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

02-14

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AIR FORCE QUALIFICATION TRAINING PACKAGE (AFQTP) — REVTMENTS, VERSION 2, 3E3X1, 3E2X1, and 3E5X1

SYNOPSIS:

We have recently completed a revision of the Revetments AFQTP. This computer-based CD-ROM training package has been reprogrammed to allow for customized lesson selection for Air Force specialties: Structural, Pavements and Construction Equipment Operator, and Engineering. Additional real world photographs and upgraded graphics have been added in Volume II to supplement the information already provided on the construction and maintenance of various types of revetments.

DETAILS:

The military owns and is accountable for many valuable assets: personnel, aircraft, equipment, munitions, and command and control facilities, to name a few. Protecting these assets

should be a primary concern in peacetime as well as in times of conflict. Revetments, the simplest form of hardening, can provide a variety of protective levels, depending on the nature of the threat. Subjects touched upon in this program include revetment selection, expedient revetments, prefabricated revetments, and in-depth instructions on how to assemble B-1 kit revetments.

Whether protecting against hostile wartime attacks, evasive terrorists, or the destructive forces of natural disasters, revetments can dramatically improve force survivability. Ideally, revetting should be accomplished during peacetime to reduce beddown workloads and afford immediate protection during contingencies. The type of revetment constructed will depend on the nature of the threat, as well as the availability of materials, time, manpower, and equipment. This program familiarizes the student with a wide range of revetment options.

The program opens with a brief discussion of the protection levels revetments can provide from blast overpressure and fragmentation, along with appropriate site planning considerations. Types of expedient revetments are then discussed. The list includes soil berms,

sandbags, soil bins, and standoffs. Prefabricated revetments are covered next, including mobile concrete, ARMCO, B-1 kits, and concertainer revetments. The program concludes with extensive instructions on how to construct the B-1 kit revetment. From safety requirements to supplemental required equipment, students finishing this program should be able to tackle this assembly process with minimum supervision.

ACCESSIBILITY:

Initial distribution has been made. For information regarding distribution procedures or for obtaining copies of this and other training products, direct your request to HQ AFCESA/CEOF. Point of contact is Mr. Ralph Gruber, DSN 523-6181, commercial (850) 283-6181, or e-mail Ralph.Gruber@tyndall.af.mil.

Questions regarding this AFQTP should be directed to the point of contact below.

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