

**APPENDIX A
REFERENCES**

REQUIRED PUBLICATIONS

Government Publications

Department of Defense, Military Standard

1. MIL-STD-619

Unified Soil Classification System for Roads, Airfields, Embankments and Foundations (Include system for frozen soils.)

Departments of the Army and Air Force

Technical Manuals

2. TM 5-785/AFM 88-29/NAVFAC P-89
3. TM 5-809-10/AFM 88-3, Chap. 13
4. TM 5-810-1
5. TM 5-818-1/AFM 88-3, Chap. 7

Engineering Weather Data
Seismic Design for Buildings
Mechanical Design: Heating, Ventilating and Air Conditioning
Soils and Geology: Procedures for Foundation Designs of Buildings and other Structures (except Hydraulic Structures)

6. TM 5-818-2
7. TM 5-818-4/AFM 88-5, Chap. 5
8. TM 5-820-2/AFM 88-5, Chap. 2

Soils and Geology: Pavement Design for Frost Conditions
Soils and Geology: Backfill for Subsurface Structures.
Drainage and Erosion Control: Subsurface Drainage Facilities for Airfield Pavements.

9. TM 5-820-3

Drainage and Erosion-Control Structures for Airfields and Heliports

10. TM 5-852-1/AFM 88-19, Chap. 1
11. TM 5-852-2/AFM 88-19, Chap. 2

Arctic and Subarctic Construction-General Provisions
Arctic and Subarctic Construction, Site Selection and Development

12. TM 5-852-3
13. TM 5-852-5/AFM 88-19, Chap. 5
14. TM 5-852-6/AFM 88-19, Chap. 6

Arctic and Subarctic Construction: Runway and Road Design
Arctic and Subarctic Construction: Utilities
Arctic and Subarctic Construction Calculation Methods for Determination of Depths of Freeze and Thaw in Soils
Surface Drainage for Airfields and Heliports in Arctic and Subarctic Regions

16. TM 5-852-9/AFM 88-19, Chap. 9
17. TM 5-852-8

Arctic and Subarctic Construction: Buildings
Arctic and Subarctic Construction; Terrain Evaluation in Arctic and Subarctic Regions

18. TM 5-856-4

Engineering and Design: Design of Structures to Resist the Effects of Atomic Weapons: Structural Elements Subjected to Dynamic Loads

19. TM 5-805-1/AFM 88-3, Chap. 6

Standard Practice for Concrete for Military Structures.

RELATED PUBLICATIONS

U.S. Army Corps of Engineers

Engineer Manuals

20. EM 1110-2-2906
21. EM 1110-345-310
22. U.S. Army Corps of Engineers Ballistic Missile Construction Office

Design of Pile Structures and Foundations
Foundations Subject to Vibratory Loads
Ballistic Missile and Space Facility Design and Construction Handbook. Chapter XIII, Cold Weather Concrete and Backfill Operation at ICBM Sites, Los Angeles, California, 1961

**Department of the Army
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25. Aitken, G.W., *Ground Temperature Observations*, Galena, McGrath, Big Delta, Barrow, Gulkana, Northway and Kotzebue, Alaska. CRREL Technical Reports 102-108, 1963-65.
26. *Performance of a Prototype DC Resistance Frost Penetration Gage*. CRREL Technical Note, 1963.
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28. *Reduction in Frost Heave by Surcharge Load*. CRREL Technical Report 184, 1974.
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45. Butkovich, T.R., *Ultimate Strength of Ice*. SIPRE Research Report 11, 1954.
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