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Short bibliography on foundations for buildings and bridges

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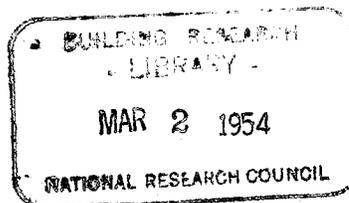
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ON FOUNDATIONS FOR BUILDINGS AND BRIDGES



EXPLANATORY NOTE

The Teaching Aids Committee of the Division of Engineering Geology of the Geological Society of America, under the Chairmanship of Dr. Arthur B. Cleaves, have prepared a list of publications pertaining to engineering geology. The Committee solicited assistance in bringing their initial list up to date and requested Mr. R. F. Legget to prepare a list of references dealing with foundations for buildings and bridges involving geological information.

This list has been prepared in response to this request by the library staff of the Division of Building Research, National Research Council, Canada, under the direction of Miss R. J. Brodie, Librarian.

DIVISION OF BUILDING RESEARCH • NATIONAL RESEARCH COUNCIL • OTTAWA, CANADA

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- Aldrich, H.P., jr. Importance of net load to settlement of buildings in Boston. Boston Soc. Civ. Eng. J., v.39, n.2, p.166-190, 1952.
- Andersen, Paul. Substructure analysis and design. Irwin-Farnham Publishing Co., Chicago, 305p., 1948.
- Armstrong, Ellis L. Foundation problems - Trenton dam, Nebraska. A.S.C.E. Denver preprint 1952-33, N.Y., 1952.
- Avery, S.B., jr. Analysis of ground-water lowering adjacent to open water. A.S.C.E. Proc., v.77, separate n.106, 16p., December 1951.
- Barber, E.S. Observed settlements of highway structures due to consolidation of alluvial clay. Pub. Roads, v.26, p.217-23, 1951.
- Brentzel, R.J. Foundation repair saves Texas sawmill. Civ. Eng. (N.Y.) v.22, p.38-9, February 1952.
- Building Research Congress. The influence of modern soil studies on the design and construction of foundations. Building Research Congress. Papers, Division 1, p.139-189, 1951.
- Button, S.J. Soil testing and its application to foundation problems. Junior Instn. Engrs. J. v.62, p.181-202, 1952.
- Casagrande, A., and R.E. Fadum. Application of soil mechanics in designing building foundations (with discussion). A.S.C.E. Trans. v.109, n.2213, p.383-440, 1945.
- Chellis, R.D.. Pile foundations theory - design - practice. McGraw-Hill, New York, 681p., 1951.
- Clark, F.A.J. A consideration of raft foundation design for small dwellings in filled areas. Inst. Mun. Eng. J., p.441-454, 1952.
- Cummings, A.E. Lectures on foundation engineering. Univ. Illinois Bull., Eng. Exp. Sta. series n.60, v.47, n.35, 142p., 1949.
- Dunham, Clarence W. Foundations of structures. McGraw-Hill, N.Y., 679p., 1950.
- Engineering News-Record. Bore-hole camera aids foundation work. Eng. News-Record, v.148, p.90, 1952.
- Eustis, J.B. and I.E. Hanson. Foundation and settlement investigations; sulphur storage vats. A.S.C.E. New Orleans. Preprint 1952-23. N.Y., 7p., 1952.
- Franx, C. and P. Richardus. Een nieuwe methode voor het bepalen van deformaties van gebouwen. Ingenieur, v.63, p.B167-72, 1951.

- Granacher, C.W. Bridge superstructure built to fit site conditions on Pennsylvania turnpikes' western extension. Civ. Eng. (N.Y.), v.21, p.696-9, 1951.
- [Great Britain] D.S.I.R. Road research laboratory. Soil mechanics for road engineers. Her Majesty's Stationery Office, London, 541p., 1952.
- Greiner Co., J.E. The Chesapeake Bay Bridge engineering report. J.E. Greiner Co., 1201 St. Paul St., Baltimore 2, Md.
- Harned, C.H. Foundations for highway bridges and separations on unconsolidated sediment. Applied Sedimentation, p.169-180, Wiley & Sons, N.Y., 1950.
- Holcomb, C.W. and P.P. Brown. Building settlement tests on two foundation types. Western Construction, v.27, p.72-3, 139, March 1952.
- Hool, George A. and W.S. Kinne. Foundations, abutments and footings (2nd ed., rev. by R.R. Eupprod and E.J. Kilcawley). McGraw-Hill, N.Y., 417p., 1943.
- Jacoby, H.S. and R.P. Davis. Foundations of bridges and buildings. McGraw-Hill, N.Y., 535p., 1941.
- Jakowlew-Herbaczewski, P. Concrete footings for walls and columns. Am. Concrete Inst. J., v.23, p.333-51, 1951.
- Jelinek, R. Der Einfluss von Gründungstiefe und begrenzter Schichtmächtigkeit auf die Druckausbreitung im Baugrund. Bautechnik, v.28, p.125-30, 1951.
- Johnston, Robert C. Deep foundation for Pittsburg skyscraper. Eng. N.R., v.145, n.23, p.402, 1950.
- Kattinger, F. Das problem der Pfahlbelastung. Zeit des Österreichischen Ingenieur- u Architekten-Vereines, v.96, p.37-41, March 3, 1951.
- MacLeod, G.M. Near-surface exploration. Western Construction, v.27, p.68-70, February 1952.
- Magazine of Building. Architectural Forum. Caisson foundation; completed basement of Tokyo office building is sunk 40' to overcome faults of soft clay subsoil. Magazine of Building. Architectural Forum, v.96, p.160, May 1952.
- McKinley, D.B. Anchored foundation resists frost heave. Civ. Eng. (N.Y.), v.22, p.140-1, 1952.
- Megaw, T.M. Foundation at Poole power station. Géotechnique, v.2, p.280-92, 1951.

- Meyerhof, G.G. Tilting of large tank on soft clay. South Wales Inst. Engrs. Proc., v.67, p.53-67, (discussion) 68-71, September 1951.
- Meyerhof, G.G. Ultimate bearing capacity of foundations. Géotechnique, v.2, p.301-30, 1951.
- Monroe, L.I. and T.C. Barnett. Atlantic beach bridge supported on 90-ft. piles weighing 30 tons. Civ. Eng. (N.Y.), v.22, p.200-2, 1952.
- Murphy, John J. and Thomas W. Fluhr. The subsoil and bedrock of the Borough of Manhattan as related to foundations (with discussion). Mun. Engrs. J., v.30, 4th quart. issue, p.119-157, 1944.
- Nath, Baleshwar. Depressing the subsoil water-table by about 65' for laying the foundation raft of Saida - hydro electric power stations. [India] Central Board of Irrigation and Power. J., p.69-79, January 1951.
- Nees, L.A. Pile foundations for large towers on permafrost. A.S.C.E., Proc., v.77, separate n.103, p.1-10, November 1951.
- Peck, Ralph B. Foundation exploration - Denver coliseum. New York, 1952. A.S.C.E. Denver preprint 1952-32.
- Philbrick, Shailer S. Foundation problems of sedimentary rocks. Applied Sedimentation, p.147-168, Wiley & Sons, N.Y., 1950.
- Prentis, Edmond A. and Lazarus White. Underpinning, its practice and applications. Columbia Univ. Press, N.Y., 2nd ed., 374p., 1950.
- Randall, F.A., jr. Lateral support of building foundations. Midwest Eng., v.4, p.11-13, November 1951.
- Smoot, Leonard V. Deep sand-island caissons support Cincinnati steam plant. Civ. Eng. (N.Y.), v.22, n.8, p.42-46, August 1952.
- Teetor, S.D. How soils affect foundation design. Architectural Record, v.111, p.218-222, 236, April 1952.
- Terzaghi, K. Permafrost. Boston Soc. Civ. Engrs. J. v.39, p.1-50, 1952.
- Trask, Parker D. and Jack W. Rolston. Engineering geology of San Francisco Bay, California. G.S.A. Bull., v.62, p.1079-1110, 1951.
- Tschebotarioff, Gregory P. Soil mechanics, foundations and earth structures; an introduction to the theory and practice of design and construction. McGraw-Hill, New York, 655p., 1951.

Waterhouse R.W. and A.N. Sills. Thaw-blast method prepares permafrost foundation for Alaska power plant. Civ. Eng. (N.Y.), v.22, p.28-31, February 1952.

Willey, Marney B. Engineering characteristics of the Gulf Coast Continental Shelf. Am. Inst. Min. Met. Eng. Tech. Pub. n.2323, 11p., (Petrol. Tech., v.11) 1948.