



Civil Engineering: A Guide to Selected Resources

This is a list of selected information resources in the field of civil engineering. It is not intended to be comprehensive. Please consult a reference librarian for advice on the best sources and search strategy for your specific topic.

Bibliography

Guide to Information Sources in Engineering Reference T10.7 .L67 2000

Dictionaries and Encyclopedias

Encyclopedia of Building Technology Reference TH9 .E48 1988

Encyclopedia of Materials Online via PITT*Cat*

McGraw-Hill Dictionary of Engineering Reference TA9 .M35 1997
(2nd ed. Online via PITT*Cat*++)

McGraw-Hill Encyclopedia of Science and Technology Reference Q121 .M3 2002

Means Illustrated Construction Dictionary Reference TH9 .M4 2000

Van Nostrand's Scientific Encyclopedia Reference Q121 .V3 2008

When Technology Fails Reference TA169.5 .W44 1994

The Wiley Dictionary of Civil Engineering and Construction Reference TA9 .W44 1997

Handbooks and Manuals

ACI Manual of Concrete Practice Reference TA439 .A358

Bridge Engineering Handbook. TG145 .B85 2000

The Civil Engineering Handbook Reference TA151 .C57 2003

CRC Handbook of Engineering Tables. Reference TA151 .C76 2004

Concrete Construction Engineering Handbook TA681 .C743 1997

Engineer's Cost Handbook: Tools for Managing Project Costs Online via PITT*Cat*+

Environmental Law Handbook. Reference KF3775 .E473

Flood Risk Management and the American River Basin: An Evaluation Online via PITT*Cat*+

Guide to Stability Design Criteria for Metal Structures TA660 .C6G85 1998

Handbook of Analytical Techniques in Concrete Science and Technology Online via PITT*Cat*+

Handbook of Corrosion Inhibitors Reference TA418.74 .A75 2001
Handbook of Water and Wastewater Treatment Technologies TD430 .C447 2002

<i>Highway Capacity Manual</i>	Reference HE336 .H48H54 2000
<i>Highway Engineering Handbook: Building and Rehabilitating the Infrastructure</i>	TE23 .H484 2009 Online via PITT <i>Cat+</i>
<i>Manual on Uniform Traffic Control Devices</i>	http://mutcd.fhwa.dot.gov/
<i>The Occupational Ergonomics Handbook</i>	TA166 .O258 1999
<i>Standard Handbook for Civil Engineers</i>	Reference TA151 .S8 1996
<i>Standard Handbook of Engineering Calculations</i>	Reference TA332 .S73 2005
<i>Standard Handbook of Hazardous Waste Treatment and Disposal</i>	Reference TD1032 .S73 1998
<i>Structural Engineering Handbook</i>	Reference TA635 .S77 1997
<i>Structural Design Guide to the ACI Building Code</i>	TA683.24 .S77 1998
<i>Structural Steel Designer's Handbook</i>	Online via PITT <i>Cat+</i>
<i>Uhlig's Corrosion Handbook</i>	Online via PITT <i>Cat+</i>
<i>Wastewater engineering: Treatment and Reuse</i>	TD645 .W293 2003
<i>Water Measurement Manual</i>	http://www.usbr.gov/pmts/hydraulics_lab/pubs/wmm/
<i>The Wiley Engineer's Desk Reference: A Concise Guide for the Professional</i>	TA151 .H424 1998

Standards

<i>Annual Book of ASTM Standards</i>	Reference TA401 .A653
<i>Architectural Graphic Standards</i>	Reference TH2031 .R35 2000

Indexes

*Locate under "Find Articles" tab, then click "Databases A-Z."

American Society of Civil Engineers (ASCE) Electronic Journals*

Provides electronic access to all ASCE publications. Indexing coverage of database is 1973 to present, full-text coverage from 1999.

Compendex*

This database provides international coverage of the literature of the engineering field. It is the electronic equivalent of the print *Engineering Index*. Indexing coverage is from 1970 to present. It provides citations with abstracts to articles in over 2,600 scholarly journals, technical reports, and conference papers and proceedings.

Knovel Engineering and Scientific Online References*

This database provides full-text access to some of the important engineering reference handbooks, databases, and conference proceedings. It also provides tabular and graphical data, facts, figures, formulas, illustrations, equations, and definitions to terminology in the field. Links to PDF full-text content.

National Technical Information Service (NTIS)*

The NTIS database is the core resource for accessing unclassified reports from influential U.S. and international government agencies. It provides immediate access to citations for over 2 million critical reports from more than 240 U.S. government agencies. Also includes some critical reports from the U.K., Japan, and Germany. Indexing is from 1899 to the present.

Quakeline Database

<http://mceer.buffalo.edu/utilities/quakeline.asp>

Produced by the Multidisciplinary Center for Earthquake Engineering Research, this free database indexes publications on earthquakes, earthquake engineering, and related topics from 1987 to the present.

Scopus*

This database focuses on scientific, technical, and medical information, indexing more than 13,000 journal titles. It provides indexing, links to full-text sources, cited reference searching, and an alerting service. Indexing coverage is from 1966 to the present.

Web of Science*

Provides searching capability to ISI's 3 citation indexes, including *Science Citation Index*. Indexes over 8,000 scholarly journals from 1992 to the present. Users can search citation data looking for other journal articles which cite a known item. Some links to full-text articles.

Professional and Trade Associations & Organizations

Accreditation Board for Engineering & Technology (ABET)

<http://www.abet.org/>

American Association of State Highway & Transportation Officials (AASHTO)

<http://transportation.org/>

American Society of Civil Engineers (ASCE)

<http://www.asce.org/asce.cfm>

American Society of Highway Engineers (ASHE)

<http://www.highwayengineers.org/>

American Water Resources Association (AWRA)

<http://www.awra.org/>

Asphalt Institute

<http://www.asphaltinstitute.org/>

Bureau of Transportation Statistics

<http://www.bts.gov/>

Construction Specifications Institute

<http://www.csinet.org/>

Earthquake Engineering Research Institute (EERI)

<http://www.eeri.org/>

Environmental & Engineering Geophysical Society (EEGS)

<http://www.eegs.org/>

Institute of Transportation Engineers (ITE)

<http://www.ite.org/>

National Bridge Research Organization (NaBRO)

<http://www.nabro.unl.edu/>

National Society of Professional Engineers (NSPE)

<http://www.nspe.org/>

Pennsylvania Society of Professional Engineers

<http://www.pspe.org/>

Professional Engineering Licensure.

(Site managed by NCEES)

<http://www.engineeringlicense.com/>

Society of Women Engineers (SWE)

<http://societyofwomenengineers.swe.org/>

State Board (Pennsylvania) of Professional Engineers, Land Surveyors and Geologists

<http://www.dos.state.pa.us/bpoa/cwp/view.asp?a=1104&q=432715>

Structural Engineering Institute (SEI)	http://www.seinstitute.org/
United States Army Corps of Engineers	http://www.usace.army.mil/
United States Department of Transportation (DOT)	http://www.dot.gov/
United States Geological Survey Water Resources	http://water.usgs.gov/

Other Useful Internet Resources

<i>Building and Fire Research Laboratory (NIST)</i>	http://www.fire.nist.gov/
<i>Center for Sustainable Systems</i>	http://css.snre.umich.edu/
<i>The Disaster Research Center (DRC)</i>	http://www.udel.edu/DRC/
<i>FreeCalc.com</i>	http://www.freecalc.com/
<i>Hazardous Waste Clean-Up Information (CLU-IN)</i>	http://www.clu-in.org/
<i>iCivilEngineer.com: The Internet for Civil Engineers</i>	http://www.icivilengineer.com/
<i>Internet Resources for Highway Engineering</i>	http://www.library.ucsb.edu/istl/96-fall/choinski.html
<i>Land Surveyor Reference Page</i>	http://www.lsrp.com/
<i>National Transportation Library: TRIS Research Database</i>	http://tris.trb.org/
Allows browsing and downloading of digital manuals and reference materials from the Transportation Research Information Services office.	
<i>Pennsylvania Department of Transportation Publications</i>	http://www.dot.state.pa.us/Internet/Bureaus/pdBOS.nsf/FormsAndPubsHomePage?OpenFrameSet
This site provides online links to many PENNDOT publications.	
<i>Thermodex: An Index of Selected Thermodynamic Data Handbooks</i>	http://www.lib.utexas.edu/thermodex/
<i>Ultimate Civil Engineering Directory</i>	http://www.tenlinks.com/engineering/civil/
<i>Wastewater Engineering Virtual Library</i>	http://www.cleanh2o.com/ww/