

The following index covers the Spring 1986 to the Spring/Summer 2008 issues and is grouped by discipline. Articles are alphabetized by title within each grouping. The scope of many articles included here fall across more than one discipline. Articles are not cross-referenced or included in more than one grouping, so it is recommended to scan related groupings when seeking a particular article. Each entry gives the article title (in italics), author(s), issue, and page citation.

## COMPUTERS

*Computer-Aided Structural Engineering: Dangers/Ethics/ Quality & a Return to Engineering Common Sense*, Leroy Z. Emkin, Fall/Winter 1995, pp. 27-36

*The Effective Use of Commercial Computer Software for the Structural Design of Buildings*, James C. Parker, Pedro J. Sifre & Michael J. Bolduc, Spring/Summer 2006, pp. 23-44

*Engineering Design Using Microcomputer-Based Spreadsheets*, W. Lee Shoemaker & Steve Williams, Fall 1988, pp. 47-58

*Geographic Information System Application for the Geotechnical Instrumentation Program on the Central Artery/Tunnel Project*, Frits van der Schaaf, Robin Bouyer & Stella Strunz, Fall/Winter 1996, pp. 63-78

*Implementing a Computerized Water Distribution Management System*, Carl R. Johnson & Edward T. Blair, Fall 1987, pp. 7-24

*Memoirs of a Future Career*, Stephen M. Benz, Fall/Winter 1998, pp. 111-117

*Microcomputer Configurations for Project Management*, Fadi A. Karaa & James K. Hughes, Spring 1989, pp. 9-24

*The Use of Simulation Software for a Power Plant Construction Project*, Reed W. Nielsen & Arthur K. Stover, Spring/Summer 1993, pp. 65-72

*The Use of Web Technology in Monitoring Tunnel-Induced Deformations in Railroads*, Jim Peterson, John Sailor, Dan J. Bobrow, Siamac Vaghar & Robert W. Priestley, Spring/Summer 2000, pp. 39-50

## ENGINEERING MANAGEMENT & CONSTRUCTION

*Advancing the Engineering Profession*, Paul Moyer, Spring/Summer 1996, pp. 5-6

*The Architect-Engineer's Role in Design-Build Contracts*, Michael C. Loulakis, Fall 1987, pp. 83-96

*Back to School*, Brian Brenner, Spring/Summer 2005, pp. 75-76

*Basic Contract Law for Civil Engineers*, Sidney J. Wartel, Fall 1987, pp. 75-82

*Buffalo on 495*, Brian Brenner, Fall/Winter 2006, pp. 62-64

*Carrying the Torch*, Ali Touran, Spring/Summer 2001, p. 5

*Community Participation in Public Works Projects*, Francis M. Keville & Charlene D. Pizzo, Spring 1986, pp. 23-42

*A Comparison of Various Equipment Costing Methods*, George Papathanasiou & Ali Touran, Spring/Summer 2000, pp. 65-78

*Concrete Formwork: Constructability & Difficulties*, Ali Touran, Fall 1988, pp. 81-88

*Consultants Are From Mars, Clients Are From Venus*, Cynthia L. Chabot, Joel Lunger & Jason Wagner, Fall/Winter 1997, pp. 89-97

*Consultants, Clients & Contractors*, Karl Terzaghi, Fall/Winter 1998, pp. 46-54

*The Development of a New Cost-Risk Estimating Process for Transportation Infrastructure Projects*, John Reilly, Michael McBride, Dwight Sangrey, Douglas MacDonald & Jennifer Brown, Spring/Summer 2004, pp. 53-75

*The Discovery of Pluto*, Brian Brenner, Spring/Summer 2001, pp. 81-82

*Effective Facilities Planning Ensured an Effective Boston Harbor Cleanup*, Richard D. Fox, William F. Callahan & Walter G. Armstrong, Fall/Winter 2002, pp. 25-34

*Engineering as a Public Art*, Douglas B. MacDonald, Fall/Winter 1996, pp. 57-62

*Engineering Fashion*, Brian Brenner, Fall/Winter 2003, pp. 69-79

*Enjoying the View*, Brian Brenner, Fall/Winter 2005, pp. 69-71

*The Estimation of Construction Contract Liquidated Damages*, Richard K. Allen, Spring/Summer 1995, pp. 7-16

*Ethical Engineering Practice & Creativity: Educating Younger Engineers in a Computer Society*, Brian Brenner, Fall 1990, pp. 67-70

*Excellence Through Management Leverage: An Alternative to America in Ruins*, Thomas D. Larson, Fall 1987, pp. 25-34

*Financing the Boston Harbor Project*, Paul F. Levy, Spring/Summer 1994, pp. 77-82

*Gephyrophobia*, Brian Brenner, Spring/Summer 2008, pp. 63-68

*Heathrow Express Cofferdam: Innovation & Delivery Through the Single-Team Approach — Part 2: Management*, Chris Rust D'Eye, Spring/Summer 2003, pp. 41-50

*I-93 Bridge Repair, Memorial Day Weekend 1999*, Alex Bardow, Abdol Hagh & Rory Neubauer, Spring/Summer 2000, pp. 79-81

*The Last Game at Foxboro*, Brian Brenner, Spring/Summer 2002, pp. 51-53

- Managing the Boston Harbor Project*, Charles Button, Ken M. Willis & Crystal Gandrud, Spring/Summer 1994, pp. 67-76
- Managing the Engineering Profession*, Charles A. Parthum, Fall/Winter 1995, pp. 55-60
- Managing to Avoid Congestion*, Brian Brenner, Spring/Summer 1999, pp. 92-93
- Mass MoCA & the Hoosac Tunnel*, Brian Brenner, Fall/Winter 2004, pp. 68-69
- The Mentoring Court: The Grumpy Old Manager*, Jeff Parenti, Fall/Winter 2006, pp. 55-61
- Mentoring Relationships*, Anni H. Autio, Fall/Winter 2006, pp. 53-54
- Moss on the Median*, Brian Brenner, Spring/Summer 2006, pp. 71-73
- Partnering & Its Implementation on the Central Artery/Tunnel Project*, Michelle G. Daigle & Ali Touran, Spring/Summer 1998, pp. 49-62
- Practice Can Make Perfect*, Brian Brenner, Fall/Winter 1993, p. 5
- The Proactive Engineer: A Vision of Leadership*, Eugene J. Fasullo, Spring/Summer 1998, pp. 83-88
- Proactive Engineering: A Perspective*, Jack K. Lemley, Fall/Winter 1995, pp. 37-42
- Providence*, Brian Brenner, Fall/Winter 2001, pp. 65-66
- Recognizing Engineering Excellence*, compiled by Brian Brenner, Fall/Winter 2007, pp. 61-79
- Replacement of the Cranston Viaducts Using Spliced Bulb-tee Girder Technology*, Firooz Panah & H. Raymond Palmer, Fall/Winter 2005, pp. 35-50
- Risk Modeling & Measurement in Construction*, Ali Touran, Spring 1992, pp. 29-46
- The Role of Engineers in Creating an Environmentally Sustainable Future*, Anthony D. Cortese, Spring/Summer 1999, pp. 29-38
- Spectacle Island*, Brian Brenner, Spring/Summer 2003, pp. 63-65
- Streamlining the Public Works Design Process*, Cynthia Chabot, Fall/Winter 1996, pp. 5-6
- A Taxpayer's Look at a Sacred Cow: Public Sector Design in Massachusetts Two Decades After the Ward Commission*, Edward Moscovitch, Fall/Winter 1996, pp. 7-12
- Transforming the Engineer into a Manager: Avoiding the Peter Principle*, Neal E. Thornberry, Fall 1989, pp. 69-74
- 20/20 Vision: The Engineering & Construction Industry in the 21st Century*, Henry L. Michel, Spring/Summer 2001, pp. 75-79
- Understanding the Nature of Engineering Decision-Making*, P. Aarne Vesilind, Spring 1987, pp. 7-16
- A View From the Academy: Preparing Future Civil Engineers for Practice*, Thomas C. Sheahan, Fall/Winter 2004, pp. 65-67
- What Happened to Nantucket?*, Brian Brenner, Fall/Winter 2002, pp. 66-67
- Whatever Happened to John T. Mongan?*, Brian Brenner, Fall/Winter 2007, pp. 80-83
- ENVIRONMENTAL**
- Applying Continuous-Flow Stirred Tank Reactor Methodology to Mussel Biomonitoring & Effluent Discharge Data*, Windsor Sung, Spring/Summer 1999, pp. 63-74
- Boston Harbor Cleanup: Use or Abuse of Regulatory Authority?*, Donald R.F. Harleman, Spring 1989, pp. 25-32
- The Case for Using Chemically Enhanced Primary Treatment in a New Cleanup Plan for Boston Harbor*, Donald R.F. Harleman, Shawn Morrissey & Susan Murcott, Spring 1991, pp. 69-84
- Chemically Enhanced Wastewater Treatment: An Alternative & Complement to Biological Wastewater Treatment*, Ingemar Karlsson & Shawn P. Morrissey, Fall/Winter 1994, pp. 29-38.
- Chlorine Dosing at the Ware Disinfection Facility*, Windsor Sung, Cynthia Parks, Elizabeth Reilley-Matthews & David Pinksy, Fall/Winter 2001, pp. 51-60
- Combined Sewer Overflow Abatement in Boston Harbor*, David R. Bingham, Cheryl Breen, Lisa Marx & Michael Collins, Spring/Summer 1994, pp. 83-106
- Design of the Deer Island Treatment Plant*, John A. Lager, David P. Bova, Robert M. Otoski & Gerald L. Gallinaro, Spring/Summer 1994, pp. 49-66
- Drinking Water Quality & Point-of-Use Treatment Studies in Nepal*, Andy Bittner, Amer M.A. Khayyat, Kim Luu, Benoit Maag, Susan E. Murcott, Patricia M. Pinto, Junko Sagara & Andrea Wolfe, Spring/Summer 2002, pp. 5-24
- The Effectiveness of Municipal Wastewater Treatment*, Holly June Stiefel, Fall/Winter 1994, pp. 49-72
- Electron Inactivation of Pathogens in Sewage Sludge & Compost: A Comparative Analysis*, Samuel R. Maloof, Fall 1988, pp. 37-46
- Emerging Biological Treatment Methods: Aerobic and Anaerobic*, Ross E. McKinney, Spring 1986, pp. 79-99
- Environmental Concerns Imposed by Boston Area Geology*, David Woodhouse, Spring 1989, pp. 83-88
- An Evaluation of Recycled Tire Shreds as a Substitute for Gravel in Residential Soil Absorption Systems*, Sukalyan Sengupta & Heather Miller, Spring/Summer 2004, pp. 33-52
- The Feasibility of Real Time Control of Combined Sewer Overflows*, Wolfgang Schilling, Fall 1992, pp. 17-26
- The History of Leather Industry Waste Contamination in the Aberjona Watershed: A Mass Balance Approach*, John L. Durant, Jennifer J. Zemach & Harold F. Hemond, Fall 1990, pp. 41-66
- Innovative Wastewater Treatment in the Developing World*, Michael R. Bourke, Donald Harleman, Heidi Li, Susan E. Murcott, Gautam Narasimhan & Irene W. Yu, Spring/Summer 2002, pp. 35-34
- Investigation and Hydraulic Containment of Chemical Migration: Four Landfills in Niagara Falls*, Robert M. Cohen, Richard R. Rabold, Charles R. Faust, James O. Rumbaugh, III, & Jonathan R. Bridge, Spring 1987, pp. 33-58
- Landfill Gas: An Asset & a Liability*, Michael J. Rossini, Fall/Winter 2001, pp. 41-50
- Management & Control of Diffuse Urban Snowmelt Pollution*, Vladimir Novotny, Daniel W. Smith & David A. Kuemmel, Fall/Winter 2003, pp. 17-32
- Managing the Coastal Plain Aquifers of the Delaware River Basin*, David C. Noonan, Spring 1986, pp. 9-22
- The Mixing Zone for Combined Sewer Overflows: Testing the Concept as a Basis for Regulation*, Thomas Hruby, Fall 1991, pp. 43-54
- The New Boston Outfall*, Dominique N. Brocard, Brian J. Van WHEELER & Lawrence Williamson, Spring/Summer 1994, pp. 33-48
- Observations on the Temporal Variations of Dissolved Copper & Zinc in Boston Harbor*, Windsor Sung, Spring 1991, pp. 99-110
- A Perspective: The Boston Harbor Project*, Douglas B. MacDonald, Spring/Summer 1994, pp. 7-9
- Planned Facilities for Combined Sewer Overflows: Boston Metropolitan Area*, Gene Suhr, Fall 1992, pp. 5-16

*Point Toxics Control for Industrial Wastewaters*, W. Wesley Eckenfelder, Spring 1988, pp. 98-112

*Recycled Paper: A Sound Choice?*, Richard Scranton, Spring 1991, p. 4

*The Restoration & Treatment of Burlington's Groundwater Supply*, Paul C. Millett, Fall/Winter 2000, pp. 83-95

*The Scope of the Boston Harbor Project*, Dominique N. Brocard, Spring/Summer 1994, pp. 5-6

*A Simple Box Model of the Nitrogen Cycle in Boston Harbor and the Massachusetts Bays*, E. Eric Adams, Jim W. Hansen, Rafael L. Lago, Pam Clayton & Xueyong Zhang, Fall 1992, pp. 91-103

*Simplified Solids-Flux Analysis for the Design of Activated Sludge Wastewater Treatment Systems*, Albert B. Pincince, Fall/Winter 1995, pp. 77-90

*Smart Growth Strategies for New England*, Cynthia Chabot & Brian Brenner, Fall/Winter 2000, pp. 79-82

*Sustainable Development Indicators of Some European & Asian River Basins*, Susan E. Murcott, Spring/Summer 1999, pp. 57-62

## GEOTECHNICAL

*The Analysis and Design of the Superconducting Super Collider Underground Structures*, Gordon T. Clark & Birger Schmidt, Spring/Summer 1995, pp. 17-36

*Anatomy of a Court Trial on Tank Settlements*, Charles C. Ladd, Fall/Winter 2004, pp. 45-64

*Applying the Finite Element Method to Practical Use in Geotechnical Engineering*, J. Michael Duncan, Fall/Winter 1999, pp. 75-80

*Back Bay Boston, Part II: Groundwater Levels*, Harl P. Aldrich & James R. Lambrechts, Fall 1986, pp. 31-64

*Close-In Construction Blasting: Impacts & Mitigation Measures*, Andrew F. McKown, Fall 1991, pp. 73-92

*Deep Foundations Integrity Testing: Techniques & Case Histories*, Les R. Chernauskas & Samuel G. Paikowsky, Spring/Summer 1999, pp. 39-56

*Deep Well Dewatering for the Greater Cairo Wastewater Project*, Robin B. Dill & Mark M. Petersen, Spring/Summer 1993, pp. 13-28

*Design & Construction of Deep Stone Columns in Marine Clay at Spectacle Island*, Eric M. Klein & Richard F. Tobin, Spring/Summer 1996, pp. 79-94

*Developments in Foundation Renovation: Les Promenades de la Cathédrale Project*, John Marcovecchio, Spring 1990, pp. 85-97

*Developments in Geotechnical Construction Processes for Urban Engineering*, Donald A. Bruce, Spring 1988, pp. 49-97

*Dilatometer & Cone Penetration Tests on Peat Soil in Carver, Massachusetts*, Assem Elsayed, Fall/Winter 2006, pp. 39-52

*Dilatometer & Cone Penetration Tests on Peat Soil in Carver, Massachusetts [Supplement]*, Assem Elsayed, Spring/Summer 2007, pp. 76

*Effective Uses of Finite Element Analysis in Geotechnical Engineering*, W. Allen Marr, Fall/Winter 1999, pp. 89-98

*Evaluation of Liquefaction Potential at a Silt Site in Providence, Rhode Island*, A.S. Bradshaw, R.A. Green & C.D.P. Baxter, Spring/Summer 2007, pp. 5-18

*Finite Element Analysis of the Combined Effects for Adjoining Braced Excavations*, Bashar Altabba & Andrew J. Whittle, Spring/Summer 2003, pp. 5-24

*Foundation Considerations for the Expansion & Renovation of the Hynes Auditorium*, Edmund G. Johnson & David A. Schoenwolf, Fall 1987, pp. 35-62

*From Casagrande's "Calculated Risk" to Reliability-Based Design in Foundation Engineering*, Fred H. Kulhawy, Fall/Winter 1996, pp. 43-56

*Full-Scale Tiedown Tests for the Central Artery/Tunnel Project*, Marco Boscardin, Geraldo R. Iglesia & Mary-Louise Bode, Spring/Summer 1996, pp. 51-78

*Geology of the Boston Basin & Vicinity*, Patrick J. Barosh, Clifford A. Kaye & David Woodhouse, Spring 1989, pp. 39-52

*A Geotechnical Analysis of the Behavior of the Vaiont Slide*, A.J. Hendron & F.D. Patton, Fall 1986, pp. 65-130

*Geotechnical Characteristics of the Boston Area*, Edmund G. Johnson, Spring 1989, pp. 53-64

*Geotechnical Design & Construction From 1848 to 1998*, S. Trent Parkhill, Fall/Winter 1998, pp. 7-30

*Geotechnical Instrumentation for the Central Artery/Tunnel Project: An Overview*, John Dunnycliff, Charles Daugherty & Thom Neff, Spring/Summer 1996, pp. 11-20

*Geotechnical Instrumentation for Deep Excavations in Boston*, Chris M. Erikson, Steven R. Kraemer & Edmund G. Johnson, Spring 1992, pp. 47-66

*The Hazard From Earthquakes in the Boston Area*, Patrick J. Barosh, Spring 1989, pp. 65-78 [Discussion by William Weiler, Fall 1989, pp. 82-84. Response by author, Fall 1989, pp. 87-89.]

*Heathrow Express Cofferdam: Innovation & Delivery Through the Single-Team Approach — Part 1: Design & Construction*, Alan J. Powderham, Spring/Summer 2003, pp. 25-40

*Immersed Tube Tunnels: Concept, Design & Construction*, Thomas R. Kuesel, Spring 1986, pp. 57-78

*Innovative Design for Tunnel Exchange & Excavation Support for the CA/T I-90/I-93 Interchange*, James R. Lambrechts, Paul A. Roy & Stephen Taylor, Fall/Winter 1999, pp. 43-62

*In-Situ Testing for Site Characterization & QA/QC for Deep Dynamic Compaction*, Heather J. Miller, Edward L. Hajduk, Kevin P. Stetson, Jean Benoit & Peter J. Conners, Fall/Winter 2007, pp. 19-36

*Measures to Minimize the Effects of a Deep Excavation on Two Adjacent Office Buildings: The Abutters' Perspective*, Lewis Edgers, Richard Henige, Thomas L. Weinmann & Kenneth B. Wiesner, Spring/Summer 2001, pp. 53-66

*Microtremor Measurements to Obtain Resonant Frequencies & Ground Shaking Amplification for Soil Sites in Boston*, Kristin E. Hayles, John E. Ebel & Alfredo Urzua, Fall/Winter 2001, pp. 17-36

*Modeling the Effects of Soil-Structure Interaction on a Tall Building Bearing on a Mat Foundation*, Lewis Edgers, Masoud Sanayei & Joseph L. Alonge, Fall/Winter 2005, pp. 51-68

*Observational Evidence for Amplification of Earthquake Ground Motions in Boston & Vicinity*, John E. Ebel & Kathleen A. Hart, Fall/Winter 2001, pp. 5-16

*The Observational Method — Application Through Progressive Modification*, A.J. Powderham, Fall/Winter 1998, pp. 87-110

*The Performance of a Remotely Controlled Fiber Glass Pipe Jacking System*, Dipak D. Shah, Sajjan K. Jain & Robert W. Frybella, Jr., Spring 1992, pp. 7-28

*Pioneers in Soil Mechanics: The Harvard/MIT Heritage*, Anni H. Autio & Michael A. McCaffrey, Fall/Winter 2002, pp. 35-48

- Pipe Jacking Forces in Soft Ground Construction During Utility Installation Related to Central Artery/Tunnel Project Construction*, John M. Pecora, III, & Thomas C. Sheahan, Fall/Winter 2004, pp. 29-44
- The Place of Stability Calculations in Evaluating the Safety of Existing Embankment Dams*, Ralph B. Peck, Fall 1988, pp. 67-80
- The Planning & Implementation of Trenchless Technologies to Restore the St. James Avenue, Boston, Interceptor*, Fall/Winter 1998, pp. 77-86
- Prediction of Excavation Performance in Clays*, Andrew J. Whittle, Fall/Winter 1997, pp. 65-88
- Predictions & Observations of Groundwater Conditions During a Deep Well Excavation in Boston*, Chris M. Erikson & David A. Schoenwolf, Fall/Winter 1993, pp. 37-52
- Pumping Test Program for the Central Artery/Tunnel Project in Downtown Boston*, Abdelmadjid M. Lahlaf, Francis D. Leathers & Iqbal Ahmed, Fall/Winter 2000, pp. 63-78
- Reducing Seismic Risk in Massachusetts*, Steven P. McElligott, James R. Gagnon & Christopher H. Conley, Spring/Summer 1993, pp. 73-90
- The Role of Finite Element Methods in Geotechnical Engineering*, Andrew J. Whittle, Fall/Winter 1999, pp. 81-88
- The Role of Soil-Structure Interaction for Geotechnical & Structural Engineers*, Lymon C. Reese, Fall/Winter 2005, pp. 5-34
- Seismic Isolation: An Economic Alternative for the Seismic Design & Rehabilitation of Buildings & Bridges*, Ronald L. Mayes, Trevor E. Kelly & Lindsay R. Jones, Spring 1990, pp. 7-30
- Seismic Response Analysis of Cobble Mountain Reservoir Dam*, Alfredo Urzua, John T. Christian, William H. Hover, Ivan A. Hee & Stanley Bemben, Fall/Winter 2002, pp. 7-24
- A 70-Foot-Deep Mixed-Face Excavation*, Richard M. Simon, Robert J. Palermo & Harry E. Risso, Spring 1991, pp. 57-68
- Shear Wave Velocity & S-Factor for Boston Blue Clay*, William A. Weiler, Jr., Spring 1991, pp. 85-98
- Slurry Wall Construction for a Cut-and-Cover Tunnel*, Philip Bonanno, Donald T. Goldberg & Amol R. Mehta, Spring 1987, pp. 75-88
- Trenchless Technology Considerations for Sewer Relocation & Construction*, Arthur A. Spruch & John Struzziery, Spring/Summer 1996, pp. 95-102
- Tunnel Boring Machine Excavation of the Beverly Sewer Tunnel*, George W. Hartnell, III, & Andrew F. McKown, Fall 1991, pp. 93-110
- Tunneling Projects in the Boston Area*, David Woodhouse, Spring 1989, pp. 100-117
- Tunneling Through Soft Ground Using Ground Freezing*, Helmut Haas, Spring/Summer 2006, pp. 45-70
- Underground Engineering for the Central Artery/Tunnel Project*, Thom Neff, Spring/Summer 1996, pp. 7-10
- An Underpinning Scheme for the Red Line Subway at South Station, Boston*, Burton P. Kassap, Spring 1992, pp. 67-86
- Understanding-Soil-Behavior Runs Through It*, James K. Mitchell, Fall/Winter 1994, pp. 5-28
- The Use of Back Analysis to Reduce Slope Failure Risk*, James Michael Duncan, Spring/Summer 1999, pp. 75-91
- The Use of Slurry Caissons for High-Rise Buildings*, James V. Errico & Theodore Von Rosenvinge IV, Fall 1989, pp. 7-22
- Using Dynamic Measurements for the Capacity Evaluation of Driven Piles*, Samuel G. Paikowsky, Fall/Winter 1995, pp. 61-76
- Using Custom Probabilistic Seismic Hazard Analysis Maps Based on U.S. Geological Survey National Seismic Hazard Mapping Procedures*, Richard J. Driscoll & Laurie G. Baise, Spring/Summer 2005, pp. 5-18
- What Has the Finite Element Method Done for (or to) Geotechnical Engineering?*, John T. Christian, Fall/Winter 1999, pp. 73-74

## HISTORY

- The Boston Harbor Project: History & Planning*, Jekabs Vittands, Cheryl Breen & Daniel O'Brien, Spring/Summer 1994, pp. 11-32
- BSCES: History & Heritage*, Gian S. Lombardo, Fall 1986, pp. 145-157
- BSCES Honorary Members [Harl P. Aldrich, Jr., Paul S. Crandall & Donald R.F. Harleman]*, Fall 1987, pp. 97-100
- BSCES Honorary Members [John T. Christian, William J. LeMessurier, Maurice A. Reidy, Jr., & Kentaro Tsutsumi]*, Fall 1988, pp. 89-93
- Cape Cod Canal*, H. Hobart Holly, Spring 1987, pp. 109-113
- The Charles River Basin*, H. Hobart Holly, Fall/Winter 1993, No. 2, pp. 77-80
- The Choate Bridge*, Emma Francis & Julia Carroll, Spring/Summer 2008, pp. 59-62
- The Engineering Center: One Walnut Street, Boston*, H. Hobart Holly, Fall 1990, pp. 91-94
- In the Footsteps of Giants: The History of the Founders of Earth Pressure Theory From the 17th Century to the Late 19th Century*, Nabil M. Hourani, Fall/Winter 1996, pp. 79-92
- A Forerunner in Iron Bridge Construction: An Interview With Squire Whipple*, Francis E. Griggs, Jr., Fall 1988, pp. 21-36
- George Washington, Engineer*, Edward Grossman, Fall/Winter 2002, pp. 49-65
- The History of Boston: The Impact of Geology*, David Woodhouse, Spring 1989, pp. 33-38
- It's a Pratt! It's a Howe! It's a Long! No, It's a Whipple Truss!*, Francis E. Griggs, Jr., Spring/Summer 1995, pp. 67-85
- Back to School*, Brian Brenner, Spring/Summer 2005, pp. 75-76
- Lee Marc G. Wolman*, Fall/Winter 2006, pp. 65-67
- Lenticular Iron Truss Bridges in Massachusetts*, Alan J. Lutenecker & Amy B. Cerato, Spring/Summer 2005, pp. 53-74
- Lowell Waterpower System*, H. Hobart Holly, Fall 1986, pp. 141-144
- The Merger of Two Professional Engineering Organizations*, Cranston R. Rogers, Fall/Winter 1998, pp. 55-56
- The Middlesex Canal*, H. Hobart Holly, Fall 1992, pp. 104-106
- The New Bedford-Fairhaven Bridge*, Frederick M Law, Fall/Winter 1999, pp. 99-103
- The Newburyport Bridge: The First Long-Span Wooden Bridge in the United States*, Francis E. Griggs, Jr., Spring/Summer 2007, pp. 51-70
- The Panama Canal: Uniting the World for Seventy-Six Years*, Francis E. Griggs, Jr., Fall 1990, pp. 71-90
- Protecting Historic Buildings on the Central Artery/Tunnel Project: The Project Conservator Program*, Beatrice Nessen, Spring/Summer 1996, pp. 21-30

Thomas W.H. Moseley & His Bridges, Francis E. Griggs, Jr., Fall/Winter 1997, pp. 19-38

Trajan's Bridge: The World's First Long-Span Wooden Bridge, Francis E. Griggs, Jr., Spring/Summer 2007, pp. 19-50

A Tribute to the Journal of the Boston Society of Civil Engineers: 1914 to the Present, Anni H. Autio, Fall/Winter 1998, pp. 43-45

#### HYDRAULICS & WATER RESOURCES

The Big Dam Debate — The Engineer's Role, Philip B. Williams, Spring/Summer 1997, No.1, pp. 33-38

The Big Dams Debate: The Environmental Sustainability Challenge for Dam Engineers, Robert Goodland, Spring/Summer 1997, No.1, pp. 11-32

Climate, Hydrology & Water Supply: A Preface, Rafael Bras, Spring 1990, pp. 31-32

Climatic, Hydrologic & Water Supply Inferences From Tree Rings, Charles W. Stockton, Spring 1990, pp. 37-52

Coarse Bedload — A Threat to the Viability of the Three Gorges Project, William W. Emmett, Fall/Winter 2001, pp. 63-64

Eminent Chinese Hydrologist Dies at 90, Dai Qing, Fall/Winter 2001, pp. 61-62

The Gigantic Yangtze Three Gorges Dam Must Never Be Built, William Wanli Huang, Spring/Summer 1997, No.1, pp. 93-98

Global Climatic Changes: A Summary of Regional Hydrological Impacts, Peter H. Gleick, Spring 1990, pp. 53-68

Hydraulic Engineering in China, George E. Hecker, Spring 1991, pp. 7-24

Hydraulic Engineering in The Netherlands: A Visit by the Tufts ASCE Student Chapter, Fall 1992, pp. 75-90

Hydrologic Sensitivity to CO<sub>2</sub>-Induced Global Warming, R.T. Wetherald & S. Manabe, Spring 1992, pp. 33-36

An Innovative Rehabilitation Project at the Cobble Mountain Dam Outlet Works, Neill J. Hampton & James Constantino, Spring/Summer 2008, pp. 7-32

The Limited Benefits of Flood Control: An Interview With Lu Qinkan, Chen Kexiong, Spring/Summer 1997, No.1, pp. 99-103

Long-Range Surface Water Supply Planning, Richard A. Vogel & David I. Hellstrom, Spring 1988, pp. 7-26

Mamaroneck Effluent Pumping Station Wet Well Model Study: Necessity or Redundant Design Precaution?, Peter J. Barthuly & Mahadevan Padmanabhan, Spring 1990, pp. 69-84

The New York City Water Supply: Past, Present & Future, Edward C. Scheader, Fall 1991, pp. 7-20

One More Case in the Big Dam Debate, Susan Murcott, Spring/Summer 1997, No.1, pp. 5-9

The Role & Contributions of Hydraulic Testing Labs: Part I, Industrial Revolution to World War I, George E. Hecker, Albert G. Ferron & Bruce J. Pennino, Spring/Summer 1999, pp. 5-28

The Role & Contributions of Hydraulic Testing Labs: Part II, World War I to World War II, George E. Hecker, Albert G. Ferron & Bruce J. Pennino, Fall/Winter 1999, pp. 5-42

The Role & Contributions of Hydraulic Testing Labs: Part III, After World War II, George E. Hecker, Albert G. Ferron & Bruce J. Pennino, Spring/Summer 2000, pp. 5-38

The Role & Contributions of Hydraulic Testing Labs: Part IV, Modern Power Plant Studies, George E. Hecker, Albert G. Ferron & Bruce J. Pennino, Fall/Winter 2000, pp. 7-42

The Role & Contributions of Hydraulic Testing Labs: Part V, Current & Future Trends, George E. Hecker, Albert G. Ferron & Bruce J. Pennino, Spring/Summer 2001, pp. 7-40

Streamflow Distribution in the Jones River Basin, David G. Johnson, Fall 1986, pp. 131-140

The Three Gorges Project: Key to the Development of the Yangtze River, Zhu Rulan, Yao Jianguo, Chen Deji, Guo Yu, Fang Ziyun, Zhao Shihua & Cheng Shoutai, Spring/Summer 1997, No.1, pp. 39-72

The Three Gorges Project & Sustainable Development in China, Dai Qing, Spring/Summer 1997, No.1, pp. 73-92

The Use of Physical Modeling to Enhance Nut Island Headworks Design, William C. Pisano, Hansjörg Brombach & Richard Atoulikian, Fall/Winter 1999, pp. 63-72

A Visit to Eastern Europe: Urban Drainage Conference & ASCE Technical Visitation, David L. Westerling, Fall 1992, pp. 59-74

#### STRUCTURAL

Application of the Modified Compression Field Theory for Shear Design in the AASHTO LRFD Code, Jason Varney, Spring/Summer 2008, pp. 47-58

Applying Orthotropic Deck Design to a Vertical Lift Bridge, W.J. Gaddis & P.W. Clark, Fall 1989, pp. 65-68 [Discussion by Ali Touran, Fall 1990, pp. 95-97.]

Aqua Teen Hunger Force Attacks I-93!, Brian Brenner, Spring/Summer 2007, pp. 71-75

Bridge Rehabilitation, Frank Stahl, Fall 1990, pp. 7-40

Building Technology for Microelectronics Clean Room Design, William L. Maini, Michael K. Powers & Mario J. Loiacono, Fall 1986, pp. 7-26

The Challenges of Underpinning the Central Artery, Paul F. Harrington, Fall/Winter 1998, pp. 65-76

A Comparative Experimental Study of Reinforced Lightweight Concrete Roof Slabs, Murat Gürol, Mehmet A. Tasdemir & Ferruh Kocataskin, Fall 1988, pp. 59-66

Composite & Mixed Lateral Load Systems, Hal Iyengar, Spring 1988, pp. 27-48

Controlling the Wind Climate Around Buildings, Edward Arens & Jon Peterka, Spring 1986, pp. 43-56

Construction & Performance of Jet Grouted Supported Soldier Pile Tremie Concrete Walls in Weak Clay, Daniel N. Adams & Michael G. Robison, Fall/Winter 1996, pp. 13-34

Corrosion Protection for Concrete Structures: The Past & the Future, Donald W. Pfeifer, Spring 1991, pp. 39-56

Design and Construction of the Circular Cofferdam for Ventilation Building No. 6 at the Ted Williams Tunnel, Minhaj Kirmani & Steven C. Highfill, Spring/Summer 1996, pp. 31-50

Design for Tunnel Safety: I-90 Tunnels, Seattle, Philip E. Egilsrud & Gary W. Kile, Fall/Winter 1993, pp. 65-76

Design of a Suspension Bridge Anchorage System, William R. Hughes, Spring/Summer 1993, No. 3, pp. 41-54

Design of the High Street Ramp, Boston, Abdol R. Haghayeghi & Peter J. Quigley, Spring/Summer 1993, pp. 29-40

Designing & Analyzing Prestressed Concrete Members Using a Capacity Diagram, Lucian Nedelcu, Fall 1989, pp. 75-81

Designing & Building the Sagadahoc Bridge Between Bath & Woolwich, Maine, George R. Poirier, Bruce VanNote, R. Kent Montgomery, William J. Rohleder, Jr., & C. Eric Burke, Spring/Summer 2005, pp. 37-52

- Effects of Increased Wind Loads on Tall Buildings*, Masoud Sanayei, Lewis Edgers, Joseph Alonge & Paul Kirshen, Fall/Winter 2003, pp. 5-16
- Effective Contract & Shop Drawings for Structural Steel*, Emile W.J. Troup, Fall/Winter 1996, pp. 35-42
- European Long Span Bridges: A State-of-the-Art Report*, Anton Petersen & Lars Hauge, Fall/Winter 1995, pp. 43-54
- Evaluation of the Canoe Creek Bridge Abutments*, Bohdan I. Czmola, Spring 1987, pp. 59-74
- An Examination of Up/Down Construction: 125 Summer Street, Boston*, Farzad Khabiri, Spring 1991, pp. 25-38
- General Design Details for Integral Abutment Bridges*, Amde M. Wolde-Tinsae & Lowell F. Greimann, Fall 1988, pp. 7-20
- An Innovative Design for the Flood Protection System of a Riverside Development*, Gunars Richters, Spring/Summer 1993, pp. 5-12
- A Landmark Cable-Stayed Bridge Over the Charles River, Boston, Massachusetts*, Vijay Chandra, Anthony L. Ricci & Keith Donington, Fall/Winter 2003, pp. 53-68
- Launching Gantries for Bridge Erection in Difficult Terrain*, W. Scott McNary & John Harding, Fall/Winter 1993, pp. 53-64
- Learning From Failures*, Norbert Delatte, Fall/Winter 2006, pp. 21-38
- The Lonely Lane*, Brian Brenner, Spring/Summer 2004, pp. 76-77
- Lower Merrimack River Bridges*, Lola Bennett & Richard Kaminski, Fall/Winter 2000, pp. 43-64
- Major Engineered Structures in Boston*, Edmund G. Johnson, Spring 1989, pp. 89-99
- Managing Human Error in Structural Engineering*, David P. Brosnam, Spring/Summer 2008, pp. 33-46
- Massachusetts Earthquake Design Codes*, S.A. Alsop & K.E. Franz, Spring 1989, pp. 79-82 [Discussion by William Weiler, Fall 1989, pp. 85-86. Response by author, Fall 1989, pp. 90-91.]
- Moving an Historic Lighthouse*, Peter Paravalos & Wayne H. Kalayjian, Fall/Winter 1997, pp. 5-18
- A New Concept for Designing & Constructing Immersed Tube Tunnels Without Using Ballast*, Alexander A. Brudno & Anthony R. Lancellotti, Fall 1992, pp. 49-58
- An Overview of Seismic Codes*, James Robert Harris, Fall 1992, pp. 27-48
- The Performance of Highway Bridges in the Northridge, California, Earthquake*, National Center for Earthquake Engineering Research, Fall/Winter 1995, pp. 5-26
- Practical Information of the Use of High-Performance Concrete for Highway Bridges*, Michael F. Praul, Spring/Summer 2002, pp. 35-50
- Pre-Assembly & Shipping of the New Providence River Bridge*, Bryan L. Busch & Michael P. Culmo, Fall/Winter 2007, pp. 37-60
- Regulated Structural Peer Review*, Glenn R. Bell & Conrad P. Roberge, Fall/Winter 1994, pp. 73-90
- The Restoration of Covered Bridges*, Phillip C. Pierce, Spring/Summer 2004, pp. 5-32
- The Role of Ductility in Seismic Design*, David O. Knuttunen, Spring 1987, pp. 17-32
- Seismic Strengthening of Existing Buildings*, Nicholas F. Forell, Fall/Winter 1993, pp. 7-36
- Structural Failure Investigations*, Glenn R. Bell, Spring/Summer 1998, pp. 63-82
- Structural Renovation & Expansion for the Hynes Convention Center*, Steven Highfill, Fall 1987, pp. 63-74
- Suspension Bridges of New England*, David Lattanzi & Derek Barnes, Spring/Summer 2005, pp. 19-36
- Tips for Slurry Wall Structural Design*, Camille H. Bechara, Fall/Winter 1994, pp. 39-48.
- Truss Bridge Rehabilitation Using Local Resources*, Abba G. Lichtenstein, Fall 1986, pp. 27-30
- The Trussed Tube John Hancock Center*, Yasmin Sabina Khan, Fall/Winter 2004, pp. 7-28
- Vibration Damage Claims: Ingredients for a Successful Investigation*, Paul L. Kelley, Steven J. DelloRusso & Charles J. Russo, Spring/Summer 2001, pp. 41-52
- Wood-Concrete Composites: A Structurally Efficient Material Option*, Peggi Clouston & Alexander Schreyer, Spring/Summer 2006, pp. 5-22

## TRANSPORTATION

- Anticipating Global Transportation Concerns in an Ever-Changing Environment*, Richard R. John, Spring/Summer 1998, pp. 31-34
- Central Corridor Highway Planning in Boston, 1900-1950: The Long Road to the Old Central Artery*, Yanni Tsipis, Fall/Winter 2003, pp. 33-52
- The Current Climate for Regional Railroads*, Orville R. Harrold, Fall 1989, pp. 61-64
- The Development & Implementation of a Traffic Forecasting Model for a Major Highway Project*, Tim Faulkner & Leonid Velichansky, Fall/Winter 1993, pp. 81-91
- Electronic Toll Collection & Traffic Management in Italy*, John Collura, Spring/Summer 1993, pp. 55-64
- Finite Element Simulation of Guardrail Impact Using DYNA3D*, Ala Tabiei, Fall/Winter 1997, pp. 39-48
- A Framework for Modeling Pavement Distress & Performance Interactions*, Samuel Owusu-Ababio & John Collura, Spring/Summer 1995, pp. 37-48
- Guidelines for Ride Quality Acceptance of Pavements*, Matthew J. Chase, John Collura, Tahar El-Korchi & Kenneth B. Black, Spring/Summer 2000, pp. 51-64
- Maintaining Urban Mobility for the Reconstruction of Boston's Central Artery*, Melvin J. Kohn & Walter Kudlick, Fall 1989, pp. 45-60
- Making the Most of Transportation Infrastructure: MBTA's South Station Intermodal Transportation Center*, Lawrence W. Shumway, Spring/Summer 2001, pp. 67-74
- Mass Transit in Boston: A Brief History of the Fixed Guideway Systems*, Clay Schofield, Fall/Winter 1998, pp. 31-42
- The Old Colony Railroad Rehabilitation Project*, Domenic E. D'Eramo & Rodolfo Martínez, Fall 1991, pp. 55-72
- The Ozark Mountain Highway: A Highway Planning Model for the Future*, Jerry A. Mugg, Spring/Summer 1995, pp. 55-66
- Planning the First Central Artery in Boston*, Cranston R. Rogers, Fall/Winter 1998, pp. 57-60
- Strategies to Address Traffic Congestion in the Boston Area*, Edward L. Silva, Fall 1989, pp. 23-44
- Terminal Surveillance of Aircraft Ground Operations Using GPS*, Robert S. Finkelstein, Fall/Winter 2001, pp. 37-40
- Towards Formulating an Ethical Transportation System*, Gil Carmichael, Fall 1991, pp. 111-114
- Transportation Planning Policy for the 21st Century*, Mortimer L. Downey, Spring/Summer 1995, pp. 49-54

*The Use of Waste & Recycled Materials in Highway Construction*, Wayne M. Shelburne & Don J. DeGroot, Spring/Summer 1998, pp. 5-16

WATERWAY, PORT, COASTAL & OCEAN

*Digital Shorelines for Boston Harbor*, Frank T. Manheim & Andrew McIntire, Spring/Summer 1998, pp. 35-48

*Dredging Design & Hydrographic Surveying*, John A. DeRugieris, Spring/Summer 1998, pp. 17-30

*Floating Breakwaters for Small Craft Facilities*, John W. Gaythwaite, Spring 1987, pp. 89-108

*An Innovative Bulk Barge Fender System*, Charles B. Scott & Steve Johnis, Fall/Winter 1997, pp. 49-64

*Lessons From Hurricane Hugo: The Need for Codes & Performance Criteria in Marinas & Coastal Structures*, Jon Guerry Taylor, Fall 1991, pp. 31-42

*A Model Coastal Zone Building Code for Massachusetts*, Ad Hoc Committee on Coastal Zone Building Codes of the BSCES Waterway, Port, Coastal & Ocean Engineering Technical Group, Fall 1991, pp. 21-30

*Modern Marina Layout & Design*, Duncan C. Mellor, Spring 1992, pp. 87-102

*The Rehabilitation & Modernization of Fitting Out Pier 2 at Portsmouth Naval Shipyard*, Cheryl W. Coviello, Fall/Winter 2006, pp. 5-20

*Replacement of the Sandy Hook Front Range Light*, Noah J. Elwood & Chris Lund, Spring/Summer 2003, pp. 51-62

*Ultrasonic Inspection of Waterfront Timber Structures: An Economic Advantage to the Marine Facility Owner*, Craig R. Morin, Scott Christie & Kurt Fehr, Fall/Winter 2007, pp. 5-18