

## **APPENDIX A REFERENCES**

### **A-1. Required Publications**

#### **DEQAS**

Ground Motion Analysis System, Engineer Research and Development Center

#### **EM 1110-2-2100**

Stability Analysis of Concrete Structures

#### **EM 1110-2-2104**

Strength Design for Reinforced-Concrete Hydraulic Structures

#### **EM 1110-2-2200**

Structural Design and Analysis of Gravity Dams and Spillways

#### **EM 1110-2-2201**

Arch Dam Design

#### **EM 1110-2-2400**

Structural Design and Evaluation of Outlet Works

#### **EM 1110-2-6050**

Response Spectra and Seismic Analysis for Concrete Hydraulic Structures

#### **EM 1110-2-6051**

Time History and Seismic Analysis for Concrete Hydraulic Structures

#### **EP 1110-2-12**

Seismic Design Provisions for Roller Compacted Concrete Dams, Appendix E, Tensile Strength of Roller Compacted Concrete by Robert W. Cannon ,30 September 1995

#### **ER 1110-2-1806**

Earthquake Design and Evaluation for Civil Works Projects

### **A-2. Related Publications**

#### **ACI 318-95**

ACI Manual of Concrete Practice (1998), Part 3. Building Code Requirements for Structural Concrete (ACI 318-95) and Commentary (ACI 318R-95). ACI International.

#### **ATC-3 1978**

Applied Technology Council, 1978. Tentative provisions for the development of seismic regulations for buildings, ATC-3-06 (NBS SP-510), U.S Government Printing Office, Washington, DC.

#### **ATC-40 (1996)**

“Seismic evaluation and Retrofit of Concrete Buildings,” Applied Technology Council, November 1996.

**EM 1110-2-6053**  
**1 May 2007**

**COE 2001**

Seismic Evaluation Procedures for Existing Civil Works Powerhouse, draft report June 2001.

**FEMA 273 and 274 (1997)**

NEHRP Guidelines for the Seismic Rehabilitation of Buildings, 1997 Edition and Commentary.

**FEMA 302 and 303 (1998)**

NEHRP Recommended Provisions for the Development of Seismic Regulations for New Buildings, 1998 Edition and Commentary.

**FEMA 356 (2000)**

"Pre-standard and Commentary for the Seismic Rehabilitation of Buildings," Federal Emergency Management Agency, November 2000.

**FEMA 368 (2000)**

NEHRP Recommended Provisions for New Buildings and Other Structures, 2000 Edition.

**NEHRP 1997**

NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures, 1997 Edition.

**NEHRP 2003**

2003 Hazards Reduction Program (NEHRP) Recommended Provisions for New Buildings and Other Structures (FEMA 450).

**Bruhwieler 1990**

Bruhwieler, E., Fracture of Mass Concrete under Simulated Seismic Action, Dam Engineering, Vol. 1, Issue 3, 1990.

**Campbell 1994**

Campbell, S. D. (1994), "Nonlinear Elements for Three Dimensional Frame Analysis". Ph.D. thesis, UC Berkeley.

**Cannon 1995**

EP 110-2-12, Seismic Provisions for Roller Compacted Concrete Dams, Appendix E, Tensile Strength of Roller Compacted Concrete by Robert W. Cannon, 30 September 1995.

**Chakrabarti and Chopra 1972**

Chakrabarti, P., and Chopra, A. K., 1972. Hydrodynamic Pressures and Response of Gravity Dams to Vertical Earthquake Component, *Journal of the International Association for Earthquake Engineering*, 1:325-335.

**Chakrabarti and Chopra 1973**

Chakrabarti, P., and Chopra, A. K., 1973. *A Computer Program for Earthquake Analysis of Gravity Dams Including Reservoir Interaction*, EERC 73-7, Earthquake Engineering Research Center, University of California, Berkeley AD 766 271 A04.

**Chakrabarti and Chopra 1973**

Chakrabarti, P., and Chopra, A. K., 1973. Earthquake Analysis of Gravity Dams Including Hydrodynamic Interaction EADHI, *Earthquake Engineering and Structural Dynamics*, 2:143-160.

**Chakrabarti and Chopra 1974**

Chakrabarti, P., and Chopra, A. K., 1974. Hydrodynamic Effects in Earthquake Response of Gravity Dams, @ *ASCE Journal of the Structural Division*, 106ST6:1211-1225.

**Chang and Chen 1982**

Chang, M. F., and Chen, W. F., 1982. *Lateral Earth Pressures on Rigid Retaining Walls Subjected to Earthquake Forces*, SM Archives 7, pp 315-362.

**Chavez and Fenves 1993**

Chavez, J.W. and Fenves, G.L., "Earthquake Analysis and Response of Concrete Gravity Dams Including Base Sliding," Report No. UCB/EERC-93/07, Earthquake Engineering Research Center, University of California, Berkeley, December 1993.

**Chopra 1970**

Chopra, A. K., 1970. Earthquake Response of Concrete Gravity Dams, *Journal of the Engineering Mechanics Division*, American Society of Civil Engineers, pp: 443-454.

**Chopra 1980**

Chopra, A. K., 1980. *Dynamics of Structures, A Primer*, Earthquake Engineering Research Institute, Berkeley, CA.

**Chopra 1987**

Chopra, A. K., 1987. Simplified Earthquake of Concrete Gravity Dam, *ASCE Journal of the Structural Division*, 113ST8: pp1688-1708.

**Chopra and Chakrabarti 1972**

Chopra, A. K., and Chakrabarti, P., 1972 Oct-Dec. The Earthquake Experience at Koyna Dam and Stresses in Concrete Gravity Dams, *Journal of the International Association for Earthquake Engineering*, 12.

**Chopra and Chakrabarti 1981**

Chopra, A. K., and Chakrabarti, P., 1981. Earthquake Analysis of Concrete Gravity Dams Including Dam-Water-Foundation Rock Interaction, *Earthquake Engineering and Structural Dynamics*, pp. 262-383.

**Chopra, Chakrabarti, and Gupta 1980**

Chopra, A. K., Chakrabarti, P., and Gupta, S., 1980. *Earthquake Response of Concrete Gravity Dams Including Hydrodynamic and Foundation Interaction Effects*, EERC 80-01, Earthquake Engineering Research Center, University of California, Berkeley ADA 087297.

**Chopra and Gupta 1982**

Chopra, A. K., and Gupta, S., 1982. Hydrodynamic and Foundation Interaction Effects in Frequency Response Functions for Concrete Gravity Dams, *Earthquake Engineering and Structural Dynamics*, 10:89-106.

**Chopra and Tan 1989**

Chopra, A. K., and Tan, H., 1989, Simplified Earthquake Analysis of Gated Spillway Monoliths of Concrete Gravity Dams, @ Technical Report SL-89-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Chopra and Zhang 1991**

Chopra, A.K., and Zhang L. (1991). "Base Sliding Response of Concrete Gravity Dams to Earthquakes," Report No. UCB/EERC-91/05, University of California, Berkeley, May 1991.

**Clough and Penzien 1993**

Clough, R. W., and Penzien, J., 1993. Dynamics of Structures, McGraw-Hill, New York.

**Clough and Zienkiewicz 1982**

Clough, R. W., and Zienkiewicz, O. C., 1982. *Finite Element Methods in Analysis and Design of Dams*, Committee on Analysis and Design of Dams.

**Clough and Niwa 1980,**

Earthquake Simulator Research on Arch Dam Models, ACI Special Publication SP 73-5.

**Cole and Cheek 1986**

Cole, R. A., and Cheek, J. B., 1986. Seismic Analysis of Gravity Dams, Technical Report SL-86-44, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Dasgupta and Chopra 1979**

G. Dasgupta and A. K. Chopra, "Dynamic Stiffness Matrices for Homogenous Viscoelastic Half Plane," Journal of the Engineering Mechanics Division, ASCE, Vol. 105, No. EM5, October 1979.

**Dove 1998**

Dove, R. C., "Performance of Lightly Reinforced Concrete Intake Towers under Selected Loadings". Technical Report SL-98-1, US Army Corps of Engineers, Waterways Experiment Station, March 1998.

**DRAIN-2DX 1994**

DRAIN-2DX User Guide (1994), Department of Civil Engineering, University of California, Berkeley, California.

**Ebeling 1992**

Ebeling, R. M., 1992. Introduction to the Computation of Response Spectrum for Earthquake Loading, Technical Report ITL-92-4, USACEWES.

**Ebeling and Morrison 1992**

Ebeling, R. M. and Morrison, E. E., The Seismic Design of Waterfront Structures, Report ITL-92-11, Department of the Army, Army Corps of Engineers, Waterways Experiment Station, November 1992.

**Ebeling et al. 1992**

Ebeling, R. M., Clough, G. W., Duncan, J. M., Brandon, T. M., 1992 Technical Report REMR-CS-29, Methods of Evaluating the Stability and Safety of Earth Retaining Structures Founded on Rock, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Ehsani and Marine 1994**

Ehsani M.R., Marine M.E. (1994), "User's Guide for Concrete Moment-Curvature Relationship (M-Phi)". MRE and Associates, Contract Report SL-94-.

**EPRI 1992**

Uplift pressures, Shear Strengths, and Tensile Strengths for the Stability Analysis of Concrete Gravity Dams, Vol. 1, Electric Power Research Institute, August 1992.

**Fenves and Chopra 1986**

Fenves, G., and Chopra, A. K., UCB/EERC-85-10, Simplified Analysis for Earthquake Resistant Design of Concrete Gravity Dams, June 1985.

**Fenves and Chopra 1983**

Fenves, G., and Chopra, A. K., 1983. Effects of Reservoir Bottom Absorption on Earthquake Response of Concrete Gravity Dams, *Earthquake Engineering and Structural Dynamics*, 11.

**Fenves and Chopra 1984**

Fenves, G., and Chopra, A. K., 1984. Earthquake Analysis of Concrete Gravity Dams Including Reservoir Bottom Absorption and Dam-Water-Foundation Rock Interaction, *Earthquake Engineering and Structural Dynamics*, 12:663-680.

**Fenves and Chopra 1985**

Fenves, G., and Chopra, A. K., 1985. Effects of Reservoir Bottom Absorption and Dam-Water-Foundation Rock Interaction on Frequency Response Functions for Concrete Gravity Dams, *Earthquake Engineering and Structural Dynamics*, 13:13-31.

**Fenves and Chopra 1985**

Fenves, G., and Chopra, A. K., 1985. Reservoir Bottom Absorption Effects in Earthquake Response of Concrete Gravity Dams, *ASCE Journal of Structural Engineering*, American Society of Civil Engineers, pp.545-562.

**Fenves et al. 1989**

Fenves, G.L., Mojtahedi, S. and Reimer, R.B., "ADAP-88: A Computer Program for Nonlinear Earthquake Analysis of Concrete Arch Dams," Report No. UCB/EERC-89/12, Earthquake Engineering Research Center, University of California at Berkeley, CA, 1989.

**French et al. 1994**

French, S. E., Ebeling, R. M., and Strom, R., Dynamics of Intake Towers and Other MDOF Structures Under Earthquake Loads, Report ITL-94-4, September, 1994.

**Fronteddu, Leger, and Tinawi 1998**

Fronteddu, L., Leger, P., and Tinawi, R., Static and Dynamic Behavior of Concrete Lift Joint Surfaces, *ASCE Journal of Structural Engineering*, Vol. 124, No. 12, Dec. 1998.

**Ghanaat 1993**

Ghanaat, Y., 1993. "GDAP: Graphics-Based Dam Analysis Program, User's Manual", U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.

**Ghanaat 1993**

Ghanaat, Y., 1993. "Theoretical manual for Analysis of Arch Dams," Instruction Report ITL-93-1, U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.

**Goyal and Chopra 1989**

Goyal, A., and Chopra, A. K., 1989. Earthquake Analysis and Response of Intake-Outlet Towers, Report No. UCB/EERC-89-04, Earthquake Engineering Research Center, University of California, Berkeley, CA.

**Hall and Chopra 1982**

Hall, J. F., and Chopra, A. K., 1982. *Hydrodynamic Effects in the Dynamic Response of Concrete Gravity Dams*, Earthquake Engineering and Structural Dynamics, pp. 333-345.

**Housner 1963**

[Housner, G.W. \(1963\). "The Behavior of Inverted Pendulum Structures During Earthquakes," \*Bulletin of the Seismological Society of America\*, Vol. 53, No. 2, pp. 403-417.](#)

**Houghton 1976**

Houghton, D. L., 1976, Determining Tensile Strain Capacity of Mass Concrete, *ACI Journal*, pp. 691-700.

**Jansen 1988**

Jansen, R. B., 1988. *Advanced Dam Engineering for Design, Construction, and Rehabilitation*, Van Nostrand Reinhold, New York.

**Kruger and Wright 1980**

**Liaw and Chopra 1973**

Liaw, C. Y., and Chopra, A. K., 1973. Earthquake Response of Axisymmetric Tower Structures Surrounded by Water, Report No. 73-25, Earthquake Engineering Research Center, University of California, Berkeley, CA.

**Liu and McDonald 1978**

Liu, T. C., and McDonald, J. E., 1978, Prediction of Tensile Strain Capacity of Mass Concrete, *ACI Journal*, pp. 192-197.

**Lopez and Torres 1997**

[Lopez, O.A. and Torres R., "The critical angle of seismic incidence and the maximum structural response," \*J. of Earthquake Engineering and Structural Dynamics\*, Volume 26, 881-894 \(1997\).](#)

**Lopez, Copra and Hernandez 2000**

[Lopez, O.A., Copra, A.K., and Hernandez, J.J., "Critical response of structures to multi-component earthquake excitation," \*J. of Earthquake Engineering and Structural Dynamics\*, Volume 29, 1759-1778 \(2000\).](#)

**Lukose, Gergely, and White 1982**

Lukose, K., Gergely, P., and White, R. N., 1982 (Sept-Oct), Behavior of Reinforced Concrete Lapped Splices for Inelastic Cyclic Loading, *ACI Structural Journal* pp. 355-365.

**Lysmer et al. 1975**

Lysmer, J., Udaka, T., Tsai, C.-F., and Seed, H.B., 1975, "FLUSH - a program for approximate 3-D analysis of soil-structure interaction problems," Report No. EERC 75-30, Earthquake Engineering Research Center, University of California, Berkeley.

**Lysmer et al. 1981**

Lysmer, J., Tabatabaie-Raissi, M., Tajirian, F., and Vahdani, S. (1981), "A System for Analysis of Soil-Structure Interaction," University of California, Berkeley.

**Makris and Konstantinidis 2001**

Makris, N. and Konstantinidis, D., "The Rocking Spectrum and the Shortcomings of Design Guidelines," PEER Report 2001/07, Pacific Earthquake Engineering Research Center, University of California, Berkeley, August 2001.

**Makris and Roussos 2000**

Makris, N., and Roussos, Y. (2000). "Rocking Response of Rigid Blocks under Near-Source Ground Motions," *Geotechnique* 50(3): 243-262.

**Mlakar and Jones 1982**

Mlakar, P. F., and Jones, P. S., 1982. Seismic Analysis of Intake Towers, Technical Report SL-82-8, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Mlakar, Vitaya-Udom, and Cole 1985**

Mlakar, P. F., Vitaya-Udom, K. P., and Cole, R. A., 1985. Dynamic Tensile-Compressive Behavior of Concrete, *ACI Journal*, pp. 484-491.

**Moehle 1992**

Moehle, J. P., 1992, Displacement-Based Design of RC Structures Subjected to Earthquakes, *Earthquake Spectra*, Vol. 8, No. 3, pp. 403-428.

**Mononobe and Matsuo 1929**

Mononobe, N., and Matsuo, H. 1929, On the Determination of Earth Pressures During Earthquakes, Proceedings, World Engineering Congress, 9.

**Newmark 1965**

Newmark, N. M., Effects of Earthquakes on Dams and Embankments, *Geotechnique*, Vol. 15, No. 2., 1965, pp139-160.

**Newmark and Hall 1982**

Newmark, N. M., and Hall, W. J. 1982. "Earthquake Spectra and Design," Engineering Monographs on Earthquake Criteria, Structural Design, and Strong Motion Records, Earthquake Engineering Research Institute, University of California, Berkeley, CA.

**Newmark 1965**

Newmark, N. M., "Effects of Earthquakes on Dams and Embankments", *Geotechnique*, Vol. 15, No. 2., 1965, pp139-160.

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1 May 2007

**Okabe 1924**

**Orangun, Jirsa and Breen 1977**

Orangun, C. O., Jirsa, J. O., Breen, J. E., 1977 (March), A Reevaluation of Test Data on Development Length and Splices, *ACI Journal* pp. 114-122.

**Pauley 1980**

Pauley, T., 1980 (May-Jun), Earthquake-Resisting Shearwalls--New Zealand Design Trends, *ACI Structural Journal*.

**Priestley and Benzoni 1996**

Priestley, M. J. N., and Benzoni, G. Seismic Performance of Concrete Circular Columns with Low Longitudinal Reinforcement Ratios, *ACI Structural Journal*, July-August, 1996.

**Paulay and Priestley 1992**

Paulay, T., and Priestley, M.J.N., *Seismic Design of Reinforced Concrete and Masonry Buildings*, John Wiley and Sons, Inc., 1992.

**Priestley and Park 1987**

Priestley, M.J.N. and Park, R., Strength and Ductility of Concrete Bridge Columns under Seismic Loading, *ACI Structural Journal*, January-February 1987.

**Priestley, Seibel and Calvi 1996**

Priestley, M. J. N., Seible, F., and Calvi, G. M., *Seismic Design and Retrofit of Bridges*, John Wiley & Sons, Inc., 1996.

**Priestley, Verma, and Xaio 1994**

Priestley, M.J.N., Verma, R., and Xaio, Y., Seismic Shear Strength of Reinforced Concrete Columns, *ASCE Journal of Structural Engineering*, Vol. 120, No. 8, August 1994.

**QDAP**

QDAP, a Web-based nonlinear dam analysis program developed by QUEST Structures, available at [www.WebDams.com](http://www.WebDams.com). QDAP is an enhanced version of the previous ADAP-88 program developed at University of California at Berkeley.

**QUEST Structures 2001**

WebDams ([www.WebDams.com](http://www.WebDams.com)) - a web-based program for earthquake analysis of concrete arch dams, user's manual, QUEST Structures, 2001.

**QUEST Structures 2001**

QUEST Structures, 2001, an enhanced version of FLUSH with pre- and post-processing capabilities ([www.WebDams.com](http://www.WebDams.com)).

**Raphael 1984**

Raphael, J. M., Tensile Strength of Concrete, *ACI Journal*, March-April 1984, pp. 158-165.

**Rea, Liaw and Chopra 1975**

Rea, D., Liaw, C. Y., and Chopra, A. K., 1975, Dynamic Properties of San Bernardino Intake Tower.

**Richards and Elms 1977**

Richards, R., and Elms, D. G., Seismic Behaviour of Retaining Walls and Bridge Abutments, Report 77-10, Department of Civil Engineering, University of Canterbury, Christchurch, New Zealand, 1977.

**Rosenbloeth, and Contreas 1977**

Rosenbloeth, E., and Contreas, H., 1977 (Oct), Approximate Design for Multicomponent Earthquakes, *ASCE Journal of the Engineering Mechanics Division*.

**Saouma, Bruhwiler and Boggs 1990**

Saouma, V.E., Bruhwiler, E., and Boggs, H.L., 1990, A Review of Fracture Mechanics Applied to Concrete Dams, *Dam Engineering* 1(1).

**SAP2000 1997**

SAP2000 Analysis Reference and User Guide (1997), Computers and Structures, Inc.

**Seed, Ugas, and Lysmer 1976**

Seed, H. B., Ugas, C., and Lysmer, J., 1976, *Site-Dependent Spectra for Earthquake-Resistant Design*, Bulletin of the Seismological Society of America, pp:221-243.

**Seed and Whitman 1970**

Seed, H. B., and Whitman, R. V., 1970, Design of earth retaining structures for dynamic loads, *ASCE Specialty Conference, Lateral Stresses in the Ground and Design of Earth Retaining Structures*, 103-147.

**Scholl 1984**

Scholl, R., 1984. "Overturning of Rigid Bodies during Earthquakes," Applied Technology Council Publication ATC 10-01, Redwood City, CA, pp 105-111.

**Seed and Idriss 1969**

Seed, H. B. and Idriss, I. M., 1969, "Influence of Soil Conditions on Ground Motions During Earthquakes," *Journal of the Soil Mechanics and Foundation Division, ASCE*, Vol. 94, No. SM1, January 1969.

**Smedy and Der Kiureghian 1985**

Smedy, W. and Der Kiureghian A., "Modal combination rules for multi-component earthquake excitation," *Earthquake Engineering and Structural Dynamics*, Volume 13, 1-12 (1985).

**Veletsos and Younan 1994 (pp:4-15)**

Veletsos, A.S., and Younan, A.H., 1994. "Dynamic Soil Pressures on Rigid Vertical Walls," *Earthquake Engineering and Structural Dynamics*, Vol. 23, pp 275-301.

**WES 1973**

U. S. Army Engineer Waterways Experiment Station, Investigation of Methods of Preparing Horizontal Construction Joints in Concrete, Technical Report No. 6-518, July 1959, Testing of Joints in Large Blocks, Report No. 2, July 1963, and Evaluation of High-Pressure Water Jet and Joint Preparation Procedures, Report No. 4, August 1973.

**Westergaard 1933**

Westergaard, H. M. 1933, Water Pressures on Dams during Earthquakes, *Transaction, American Society of Civil Engineers*, 98:418-433.

**Whitman and Liao 1985**

Whitman, R. V., and Liao, S., 1985, Seismic Design of Gravity Retaining Walls, Miscellaneous Paper GL-85-1, U. S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

**Whitman 1990**

Whitman, R. V., Seismic Design and Behavior of Gravity Retaining Walls, 1990 ASCE Soil Mechanics Specialty Conference, Geotechnical Special Publication No. 25, entitled: Design and Performance of Earth Retaining Structures.

**Whittaker, Constantinou and Tsopelas 1998**

Whittaker, A., Constantinou, M. and Tsopelas, P., Displacement Estimates for Performance-Based Seismic Design, Journal of Structural Engineering, ASCE, August 1998.

**Wilson and Button 1982**

Wilson, E.L. and Button, M., "Three-dimensional dynamic analysis for multi-component earthquake spectra," Earthquake Engineering and Structural Dynamics, Volume 10, 471-476 (1982).

**Wilson et al. 1995**

Wilson, Edward L., Suharwardy, Iqbal, and Habibullah, Ashraf, Earthquake Spectral, Volume 11, No.4, November 1995, A Clarification of the Orthogonal Effects in a Three-Dimensional Seismic Analysis.

**Winter and Nilson 1973**

Winter G., Nilson A. H., (1973). "Design of Concrete Structures. 8th ed." McGraw-Hill Book Company, New York.

**Wolf 1995 (pp:4-15)**

Wolf, J.P., 1995. "Discussion on a paper by A.S. Veletsos and A.H. Younan," *Earthquake Engineering and Structural Dynamics*, Vol. 24, pp 1287-1291.

**Yim et al. 1980**

Yim, S.C., Chopra, A.K., and Penzien, J. (1980). "Rocking Response of Rigid Blocks to Earthquakes," *Earthquake Engineering and Structural Dynamics* 8(6):56587.

**Zhang and Chopra 1991a**

Zhang, L., and Chopra, A. K., 1991, "Base Sliding Response of Concrete Dams to Earthquakes", Report No. UCB/EERC-91/04, University of California at Berkley, May 1991.

**Zhang and Chopra 1991b**

Zhang, L. and Chopra, A. K., "Computation of Spatially Varying Ground Motion and Foundation-Rock Impedance Matrices for Seismic Analysis of Arch Dams," Report NO. UCB/EERC-91/06, Earthquake Engineering Research Center, University of California, Berkeley, May 1991.

**U.S. Army Corps of Engineers 1983**

U.S. Army Corps of Engineers, 1983. A Three-Dimensional Stability Analysis/Design Program 3DSAD; Report 4, Special Purpose Modules for Dams CDAMS, Instruction Report K-80-4, Office, Chief of Engineers, Washington, DC.

**USBR 1976**

USBR, 1976, U.S. Bureau of Reclamation, Design of Gravity Dams.

**FHWA-RD-94-052 (1995)**

U.S. Department of Transportation, Federal Highway Administration  
Seismic Retrofitting Manual for Highway Bridges.

**TM 5-809-10-1 (1986)**

Seismic Design Guidelines for Essential Buildings, 27 February 1986.

**Bazant, 1990**

Bazant, Z.P., 1990. A critical appraisal of no-tension dam design: a fracture mechanics view point, *Dam Engineering*, 1(4).

**Wood 1973**

Wood, J., 1973, Earthquake-Induced Soil Pressures on Structures, Report No. EERL 73-05, California Institute of Technology, Pasadena, CA, pp.311.

**Wood 1989**

Wood, Sharon L., 1989 (Sept-Oct), Minimum Tensile Reinforcement Requirements in Walls, *ACE Structural Journal*, pp. 582-591.

**Wood 1990**

Wood, Sharon L., 1990, (Jan-Feb), Shear Strength of Low-Rise Reinforced Concrete Walls, *ACE Structural Journal*, and pp. 99-107.