# References

#### CHAPTER 1

1.1 Joint ASCE-ACI Committee 445 "Resent Approaches To Shear Design Of Structural Concrete." Journal of Structural Engineering, 1998, p 1375

### CHAPTER 2

- 2.1 Collins M.P. and Kuchma D. 1999, "How Safe Are Our Large, Lightly Reinforced Concrete Beams, Slabs, and Footings?" ACI Structural Journal July 1999, p 482.
- 2.2 Collins M.P. and Mitchell D. "A Rational Approach to Shear Design The 1984 Canadian Code Provisions." ACI Structural Journal, December 1986, p 925.
- 2.3 Guta P.R. and Collins M.P. "Evaluation of Shear Design Procedures for Reinforced Concrete members under Axial Compression." ACI Structural Journal July 2001, p 537.
- 2.4 Johnson M.K. and Ramirez J.A. "Minimum Shear Reinforcement in Beams with Higher Strength Concrete" ACI Structural Journal, July 1989, p 376.
- 2.5 Loov R.E. "Review of A 23.3-94 simplified method for shear design and comparison with results using shear friction." Canadian Journal of Civil Engineering, June 1998, p 437.
- 2.6 MacGregor J.G, Bartlet F.M. *Mechanics and Design of Reinforced Concrete*. Ontario: Prentice Hall Canada Inc., 2000.
- 2.7 Metwally A. E. and Loov R.E. "Shear Strength of Reinforced Concrete Beams with and without Stirrups Using Shear Friction: A Comparison with CSA A23.3 94 Simplified and General Methods." Annual Conference of the Canadian Society for Civil Engineering, May-June 2001

- 2.8 Mphonde A.G. 1989, Use of Stirrup Effectiveness in Shear Design of Concrete Beams, ACI Structural Journal (September 1989, p 541.
- 2.8 Vecchio F.J. and Collins M.P. "The Modified Compression Field Theory for Elements Subjected to Shear.", ACI Structural Journal, March 1986, p 219.
- 2.9 Vecchio F.J. and Collins M.P. "Predicting the Response of Reinforced Concrete Beams Subjected to Shear Using Modified Compression Field Theory." ACI Structural Journal May 1988, p 258.
- 2.10 Xie Y. et al. "Shear ductility of Reinforced Concrete Beams of Normal and High-strength Concrete" ACI Structural Journal, March 1994, p 140.

## CHAPTER 3

- 3.1 Bazant Z.P. and Kazemi M.T. "Size Effect on Diagonal Shear failure of Beams Without Stirrups." ACI Structural Journal, May 1991, p 268.
- 3.2 Bhide S.B. and Collins M.P. "Influence of the Axial Tension on the Shear Capacity of Reinforced Concrete Members." ACI Structural Journal, September 1989, p 570.
- 3.3 Brown M.D. and Bayrak O. "Design of Deep Beams Using Strut-and-Tie Model Part I: Evaluating US Provisions." ACI Structural Journal, July 2008, p 405.
- 3.4 Brown M.D. and Bayrak O. "Design of Deep Beams Using Strut-and-Tie Model Part II: Design Recommendations." ACI Structural Journal, July 2008, p 395.
- 3.5 Collins M.P., Bentz E.C. and Serwood E.G. "Where is Shear Reinforcement Required? A Review of Research Results and Design Procedures" ACI Structural Journal, September 2008, p 590.

- 3.6 Duthinh D. and Carino N. J. *Shear Design of High Strength Concrete Beams: A Review of State of the Art.* US Department of Commerce-NIST, August 1996.
- 3.7 Mathey R.G. and Watstein D. "Shear Strength of Beams without Web Reinforcement Containing Deformed bars of Different Yield Strength" ACI Structural Journal, February 1963, p 183.
- 3.8 Morrow J. and Viest I.M. "Shear Strength of Reinforced Concrete Frame Members without Web Reinforcement." ACI Structural Journal, March 1957, p 833.
- 3.9 NCSS Help File, Logistic Regression, Chapter 320
- 3.10 North Carolina State University, Stat Notes, ,
  http://faculty.chass.ncsu.edu/garson/PA765/logistic.htm
- 3.11 Reineck K., Kuchma D.A., Kim K.S., and Marx S. "Shear Database for Reinforced Concrete Members without Shear Reinforcement.", ACI Structural Journal, April 2003, p 240.
- 3.12 Tureyen A.K., Wolf T.S. and Frosch R.J. "Shear Strength of Reinforced Concrete T-Beams without Transverse Reinforcement." ACI Structural Journal, October 2006, p 656.
- 3.13 Walraven J. and Lehwalter N. "Size Effect in Short Beams Loaded in Shear." ACI Structural Journal, September 1994, p 585.

### **CHAPTER 4**

4.1 Elzanaty A.H., Nilson A.H. and Slate F.O. "Shear Capacity of Reinforced Concrete Beams Using High-Strength Concrete Beam." ACI Structural Journal, March 1986, p 290.