## References.

- 1) AASHTO (1996), 'Standard Specifications For Highway Bridges', Sixteenth Edition, American Association of State Highway and Transportation Officials, Washington, DC.
- 2) AASHTO (1996a), 'Standard Specifications For Transportation Materials and Methods of Sampling and Testing: Part I Specifications', Nineteenth Edition, American Association of State Highway and Transportation Officials, Washington, DC.
- 3) AASHTO (1996b), 'Guided Specifications for Design and Construction of Segmental Concrete Bridges', Second Edition, American Segmental Bridge Institute, American Association of State Highway and Transportation Officials, Washington, DC.
- 4) AASHTO (1985), 'Guided Specification For Highway Constructions', American Association of State Highway and Transportation Officials, Washington, DC.
- 5) Anwar. N., (2004), 'International Short Course on Analysis and Design of Bridge Structures', Asian Institute of Technology, Thailand.
- 6) Anwar. N., (2004), 'International Seminar on Analysis and Design for Wind, Fire, Vibrations & Earthquake', ACECOMS, AIT, Thailand, 14<sup>th</sup> September 2004.
- 7) ASTM (1996), ASTM Standard in ACI 301 and 318, Authorized Reprint from the Annual Book of ASTM Standard, Publication SP-71 (95), American Concrete Institute, Farmington Hills, MI.
- 8) Barker, R. M., Puckett, J. A., (1997), 'Design of Highway Bridges: Based on AASHTO LRFD Bridge Design Specifications, A Wiley Interscience Publications, John Wiley & Sons, Inc., New York, NY.
- 9) Collins, M.P., Mitchell, D., (1987), 'Prestressed Concrete Basics', Canadian Prestressed Concrete Institute, Ottawa, Canada, 1987, PP 21 52.
- 10) Elbadry, M. M., Ghali, A., (1990), 'User's Manual and Computer Program CPF: Cracked Plane Frame in Prestressed Concrete', Research report No: CE85-2, Department of Civil Engineering Calgary, Alberta, Canada, August 1990.
- 11) Fernando, T. R. P. et al, (1994), 'A Study of the use of precast Beams in Continuous Bridge Constructions', Final year project report, University of Moratuwa, Sri Lanka, 1994, PP 11-14.

- 12) Ghali, A., Favre, R., (1986), 'Concrete Structures: Stresses and Deformations', Chapman and Hall Ltd, London, 1986, PP 1 51.
- 13) Levintov, B., (1995), 'Construction Equipment for Concrete Box Girder Bridges', Concrete International 17(2), 43-47.
- 14) Liebenberg, A., C., (1992), 'Concrete Bridges: Design and Constructions', Longman Science & Technical, Longman Group UK Limited, Burnt Mill, Harlow, Great Britain.
- 15) Mathivat, j., (1983), 'The Cantilever Construction of Prestresses Concrete Bridges', A Wiley-Interscience Publication, John Wiley & Sons, Inc., New York, NY.
- 16) Naaman, A. E., (1982), 'Prestressed Concrete Analysis and Design Fundamentals', McGraw-Hill Book Company, United States, 1982.
- 17) Philips, A. R., Spruill, Q. D., (1990), 'Biloxi Interstate 110 Viaduct', PCI Journal, Prestressed Concrete Institute, 35(1), P120-132.
- 18) Pritchard, B., (1992), 'Bridge Design for Economy and Durability: Concepts for New, Strengthened and Replacement Bridges', Thomas Telford Service Ltd, London, Great Britain.
- 19) Podolny, W., Muller, J. M. (1982), 'Construction and Design of Prestressed Concrete Segmental Bridges', A Wiley-Interscience Publication, John Wiley & Sons, Inc., New York, NY.
- 20) Rombach, G., (2002), 'Precast Segmental Box Girder Bridges With External Prestressing Design and Constructions', Research Report, Technical University, Hamburg-Harburg, Germany, February 2002.
- 21) Rombach, G., Specker, A., 'Finite Element Analysis of Externally Prestressed Segmental Bridges' Research Report, Technical University, Hamburg-Harburg, Germany, February 2002.
- 22) Rosignoli, M., (1997), 'Influence of the Incremental Launching Construction Method on the Sizing of Prestressed Concrete Bridge Decks', Proceedings of the Institution of Civil Engineers – Structural and Buildings – November 1997.
- 23) Rosignoli, M., (1998), 'Launched Bridges: Prestressed Concrete Bridges Built on the Ground and Launched into Their Final Position', American society of Civil Engineers, 1998, PP 43 263.
- 24) Russell, M. T., (1995), 'Inspection and Testing for Quality in HPC', Concrete International 17(II), S9-S12.

- 25) Sharma, B. S., (2003), 'International Short Course on Finite Element Analysis of Structures', ACECOMS, AIT, Thailand, 02<sup>nd</sup> July 2003.
- 26) VDOT (Commonwealth of Virginia Department of Transportation, (1997a)), Virginia's Smart Road: Moving Southwest Virginia and Travel Technology into the Future, Brochure, Richmond, VA.
- 27) Weerasekera, I. R. A., Jayaginghe, M. R. T., 'A Design Method for Continuous Bridges with Prestressed Concrete Precast Beams', University of Moratuwa, Sri Lanka, PP 98-103.

## Bibliography.

- 1) Best, K. N., Kingston, R. H., Whatley, M. J., (1995), 'Incremental Launching at Shepherds House Bridge', Proceedings of the Institution of Civil Engineers February 1995.
- Bishara, A. G., Papakanstantinou, N.G., (1990), 'Analysis of Cast-in-Place Concrete Segmental Cantilever Bridges.', Journal of Structural Engineering, ASCE, 116(5), 1247-1268.
- Campbell, D., Wedgwood, J. L., (1971), 'Need for Diaphragm in Concrete Box Girders', ASCE – Journal of the Structural Division – March 1971 (Discussions on December 1971).
- 4) Chen, W., Duan, L., Editors (1999), 'Bridge engineering Handbook- Chapter 11-Segmental Concrete Bridges', CRC Press, New York, NY.
- 5) Halpin, D. W., Woodhead, R. W., (1998), 'Construction Management', John Wiley & Sons, Inc., New York, NY.
- 6) Kosmatka, S. H., Panarese, W. C., (1988), 'Design and Control of Concrete Mixtures', Thirteenth Edition, Engineering Bulletin, Portland Cement Association, Skokie, IL.
- 7) Loper, J. H., Marquis, E. L., Rhomberg, E. J., (1988), 'Precast Prestressed Long-Span Bridges', Journal of Construction Engineering and Management, ASCE, 114(1), 95-103.
- 8) McAdam, P. S., Lee, G. (1997), 'Formwork: A Practical Guide', E & FN Spon, an Imprint of Chapman & Hall, London, Great Britain.
- 9) Roberts, C. L., Breen, J.E., Kreger, M. E., (1993), 'Measurement Based Revisions For Segmental Bridge Design And Construction Criteria', Research Report 1234-

- 3F, Center for Transportation Research, Bureau of Engineering Research, The University of Texas at Austin, TX.
- 10) McAdam, P. S., Lee, G. (1997), 'Formwork: A Practical Guide', E & FN Spon, an Imprint of Chapman & Hall, London, Great Britain.
- 11) McGee, K. K., Gomez, J. P., (1996), 'State of the Art of Advance Materials in Transportation Structures', Final Report VTRC 97-R8, Virginia Transportation Research Council, Charlottesville, VA.
- 12) Nilson, A. H., Winter, G., (1986), 'Design of Concrete Structures', Tenth Edition, McGraw-Hill, Inc., New York, NY.
- 13) O' Connor, C., (1971), 'Design of Bridge Superstructures', A Wiley Interscience Publications, John Wiley & Sons, Inc., New York, NY.
- 14) O' Connor, C., (1993), 'Roman Bridges', Cambridge University Press, Cambridge, Great Britain.
- 15) PCL (1999e), 'Smart Highway Bridge over Ellett Valley: Cast-In-Place Balanced Cantilever Constructions, Casting Scheme and Information on Wilson Creek Bridge, October 7, 1999, PCL Civil Constructions, Inc., Coral Springs, FL.
- 16) Petroski, H., (1996), 'Invention by Design: How Engineers Get From Thought to Thing', Harvard University Press, Cambridge, MA.
- 17) Rives, M. R. (1997), 'Blue Ridge Parkway: The Story Behind The Scenery', Fifth Edition, KC Publications, Las Vegas, NV.
- 18) Rockey, K. C., Bannister, J. L., Evans, H. R. (Editors), (1971), 'Developments in Bridge Design and Constructions', Crosby Lockwood & Son Ltd, London, Great Britain.
- 19) Royal Commission (Barber, E. H. E., Bull, F. B., Shirley Smith, H., (1971)), Report of Royal Commission into the Failure of West Gate Bridge, C. H. Rixon, Government Printer, Melbourne, Australia.
- 20) Shiu, K. N., Russell, H. G. (1997), 'Effects of Time Dependent Concrete Properties on Prestressed Losses', Canadian Journal of Civil Engineering 14(5), P649-654.
- 21) Troitsky, M. S., (1994), 'Planning and Design of Bridges', John Wiley & Sons, Inc., New York, NY.
- VDOT (Commonwealth of Virginia Department of Transportation, (1997b)), Plan and Profile of Proposed state Highway, County of Montgomery Test Bed, Fr. 0.189 km W. of Rte 723 To: 0.671km E. of Rte 723, Plan Drawings, Richmond, VA.