

PUBLICATIONS (139 total)

Categories:

Theses and Dissertations (2)

1. “Surviving Hell to Gain Paradise: The Gilded Age Conspiracy and Secret Railroad Expedition that turned Florida Upside Down America’s and Led to the Taming of America’s Last Frontier” **Minchin, R.E.** A Thesis in the field of History for the degree of Master of Liberal Arts, Harvard University; 2019.
2. An Asphalt Compaction Quality Control Model Using Vibration Signature Analysis” **Minchin, R.E.** A Thesis in Civil Engineering, submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy, The Pennsylvania State University, 1999.

Refereed Publications (96)

Books, Author (2)

3. “Optimizing Program Delivery Methods” Tran, D.; Harper, C.; **Minchin, R.E.** NCHRP Synthesis 20-05/Topic 47-06; Transportation Research Board of the National Academies, Washington, DC; 2017.
4. “Design Management Guide for Design-Build and Construction-Manager-as- General-Contractor Projects” **Minchin, R.E.**; Migliaccio, G.C.; Atkins, K; Warne, T.; Gatti, U. (g); Ptschelinzew, L.(g); Hostetler, G.; Asiamah, S.; Transportation Research Board of the National Academies, Washington, DC; 2014, ISBN 978-0-309-30805-2.

Books, Contributor of Chapters (7)

5. Jefferies M.C. and Rowlinson, S., Editors; *New Forms of Procurement: Public Private Partnerships and Relational Contracting in the 21st Century*, Chapter 6, “Design Management of Infrastructure Projects: A Comparative Case Study Analysis of Design-Build and Construction Manager / General Contractor Projects in the US”; Routledge/Taylor and Francis; 2016; pp. 95-116. Note: Migliaccio, G.C. and **Minchin, R.E.**
6. Orstavik, F.; Abbott, C.; Dainty, A.R.J., Editors; *Construction Innovation*, Chapter 12, “Project delivery systems and innovation: The case of US road building,” Blackwell Publishing, Ltd WILEY, Oxford, UK; 2015; pp. 165 – 180. Note: **R.E. Minchin** and M. Gross.
7. Molenaar, K.R., Yakowenko, G., Editors; *Alternative Project Delivery, Procurement, and Contracting Methods for Highways* Chapter 3 “Miami Intermodal Center – Introducing “CM-at-Risk” to Transportation Construction”; American Society of Civil Engineers, Reston, VA, 2007, ISBN 13: 978-0-7844-0886-5; pp. 46-59. Note: **R.E. Minchin**, K. Thakkar (g) and R.D. Ellis.
8. Molenaar, K.R., Yakowenko, G., Editors; *Alternative Project delivery, Procurement, and Contracting Methods for Highways* Chapter 6 “Guidelines for Quality-based

Contractor Qualification”; American Society of Civil Engineers, Reston, VA, 2007, ISBN 13: 978-0-7844-0886-5; pp. 98-112. Note: **R.E. Minchin** and Gary R. Smith.

9. Kazi, A.S., Editor; *Systematic Innovation in the Management of Construction Projects and Processes*, Chapter 3, “Documenting the Real Causes of Delay in Highway Construction Projects,” Technical Research Center of Finland, Helsinki, Finland, 2005, ISBN 952-5004-64-3; pp. 28-42. Note: **R.E. Minchin**, J.Y. Ahn (g) and Z.J. Herbsman.
10. Kazi, A.S., Editor; *Systematic Innovation in the Management of Construction Projects and Processes*, Chapter 29, “CM-at-Risk Delivery System and the Miami Intermodal Center,” Technical Research Center of Finland, Helsinki, Finland, 2005, ISBN 952-5004-64-3; pp. 339-351. Note: **R.E. Minchin** and R.D. Ellis.
11. Chini, A., Editor; *Who Provides Inspection?* Chapter 4, “Who Provides Inspection in Highway Construction?” American Society of Civil Engineers, Reston, VA, 1999, ISBN 0-7844-0450-X; pp. 22-32. Note: **R.E. Minchin**.

Magazine Articles (2)

12. **Tran, D.**; Harper, C.; **Minchin, R.E.**; “Strategic Program Delivery Methods”; Transportation Research News; Transportation Research Board, Washington, DC; May-June, 2018, No. 314, pp. 35-37.
13. **Minchin, R.E.**; **Migliaccio, G.C.**; “Design Management Practices for Transportation Construction Projects Using Design-Build and Construction Manager / General Contractor Project Delivery”; Transportation Research News; Transportation Research Board, Washington, DC; March-April, 2016, No. 302, pp. 41-46.

Journal Articles (38)

14. **Tian, Y.**; Adriaens, P.; **Minchin, R.E.**; Lu, Z.; Qi, C.; “Asset Tokenization: A Blockchain Solution to Financing Infrastructure in Emerging Markets and Developing Economies,” **Accepted** for publication by the Asia Development Bank; August 2020.
15. **Ptschelinzew, L.** (g); **Minchin, R.E.**; Chini, A.; **Zhang, Y.** (g); “Discord through Party Perceptions and Relationship Management Strategies for Designers and Contractors”; Accepted for publication in the Journal of Legal Aspects and Disputes Resolution; American Society of Civil Engineers, Reston, VA; 2019.
16. **Shahandashti, S.M.**; **Masoumi, A.M.** (g); Touran, A.; Ashuri, B.; **Minchin, R.E.**; “Construction Portfolio Performance Management Using Key Performance Indicators”; **Accepted** for publication in the Journal for Advancement of Performance Information & Value; Conseil International du Batiment (cib), Tempe, Arizona; 2018.
17. **Minchin, R.E.**; Zhang, Y.; Mahajan, V.; Atkins, K.E.; “Answers to Questions of Ethics by Highway Contractors”; ASCE Journal of Legal Affairs and Disputes Resolution in Engineering and Construction; American Society of Civil Engineers, Reston, VA; 2018; 10(4), 05018003.
18. **Zhang, Y.** (g); Chini, A.; **Minchin, R.E.**; **Ptschelinzew, L.** (g); Shah, D. (g); “Performance of Seven Highway Construction Contracting Methods Analyzed by

Project Size”; *Frontiers of Engineering*; Higher Education Press; Beijing, PRC; 2018; 5(2), 240-250.

19. Chini, A.; Ptschelinzew, L.(g); **Minchin, R.E.**; Zhang, Y. (g); Shah, D. (g); “Industry Attitudes Toward Alternative Contracting for Highway Construction in Florida”; *ASCE Journal of Management in Engineering*; American Society of Civil Engineers, Reston, VA; 2018; 10.1061/(ASCE)ME.1943-5479.0000586.
20. Tran, D.; Diraviam, G.; **Minchin, R.E.**; "Performance of Highway Design-Bid-Build and Design-Build Projects by Work Types"; *ASCE Journal of Construction Engineering and Management*; 2017; 04017112-1 - 04017112-9.
21. Zhang, Y (g); **Minchin, R.E.**; Agdas, D.; “Forecasting Completed Cost of Highway Construction Projects Using LASSO Regularized Regression”; *Journal of Construction Engineering and Management*; American Society of Civil Engineers, Reston, VA; 2017; 10.1061/(ASCE)CO.1943-7862.0001378.
22. **Minchin, R.E.**; Corona, F.; Zhang, Y.; Lucas, E.D.; Pan, J.; Walters, R.C ; “Chinese Organizations’ Actions and Attitudes After Discovery of Counterfeit Items in Their Construction Supply Chains,” *ASCE Journal of Legal Affairs and Disputes Resolution in Engineering and Construction*; American Society of Civil Engineers, Reston, VA; 2016; 9(2). 1943-4162.
23. **Minchin, R.E.**; Lucas, E.D.; Walters, R.C.; Pan, J.; Issa, R.R.A.; Singla, G.(g) ; “Counterfeiting in the Construction Industry: An Analysis of Sino-American Differences in Perception,” *Journal of Legal Affairs and Disputes Resolution in Engineering and Construction*; American Society of Civil Engineers, Reston, VA; 2016; 8 (4); DOI: 10.1061/(ASCE)LA.1943-4170.0000194
24. Jiang, T.(p); An, X.; **Minchin, R.E.**; Li, S.; “Application of Discrete-Event Simulation in the Quantitative Evaluation of Information Systems in Infrastructure Maintenance Management Processes,” *ASCE Journal of Management in Engineering*; American Society of Civil Engineers, Reston, VA, 2016, 32(2): 05015008.
25. El-Mashaleh, M.(g); **Minchin, R.E.**; "Concessionaire Selection Model Based on Data Envelopment Analysis (DEA)," *ASCE Journal of Management in Engineering*; Vol. 30, No. 4; American Society of Civil Engineers, Reston, VA, 2014
26. **Minchin, R.E.**; Li, X.(g); Issa, R.R.; Vargas, G.L.; “Comparison of Cost and Time Performance of Design-Build vs. Design-Bid-Build Delivery Systems in Florida”; *ASCE Journal of Construction Engineering and Management*; Vol. 139, No. 10; American Society of Civil Engineers, Reston, VA, 2013; ISSN 0733-9364/0401 3007(5)
27. **Minchin, R.E.**; Thurn, S.B.(g) , Lewis, D.W.(g) , Ellis, R.D.; “The Impact of Night Construction on Contractor Bid Amounts and Productivity for Transportation Construction”; *ASCE Journal of Construction Engineering and Management*; Vol. 139, No. 8; American Society of Civil Engineers, Reston, VA, 2013, pp. 1055-1062
28. Emerson, R.D.; **Minchin, R.E.**; Gruneberg, S.; “Workers' Compensation in Construction: Workers' Benefits under Alternative Dispute Resolution Systems”; *ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*, Vol. 5, No. 3; American Society of Civil Engineers, Reston, VA, 2013, pp. 113-121

29. **Minchin, R.E.**; Cui, S.(g) ; Walters, R.C.; Issa, R.; Pan, J.; “Sino-American Opinions and Perceptions of Counterfeiting in the Construction Supply Chain”; ASCE Journal of Construction Engineering and Management; Vol. 139, No. 1; American Society of Civil Engineers, Reston, VA, 2013, pp. 1-8
30. **Minchin, R.E.**; Ellis, R.D.; Pyeon, J.H(g) .; Jichao, Zhan(g) “Use of Innovative Contracting Methods by DOTs – Project Managers Speak”; Journal of Civil Engineering and Architecture; Vol.4, No. 8, David Publishing Company, Chicago, IL, 2011. pp. 14-26.
31. **Minchin, R.E.**; **Lewis, D.W.(g)** ; McLeod, L.(g) ; “Improving Productivity on a Troubled Bridge Project”; ASCE Journal of Construction Engineering and Management, Volume 137, No. 5, American Society of Civil Engineers, Reston, VA, 2011, pp. 364-373.
32. **Minchin, R.E.**; Henriquez, N.R.(g) ; King, A.M.(g) ; Lewis, D.W.(g) ; “Owners Respond: Preferences for Task Performance, Delivery Systems and Quality Management,” ASCE Journal of Construction Engineering and Management, Volume 136, No. 3, American Society of Civil Engineers, Reston, VA, 2010, pp. 283-293.
33. **Minchin, R.E.**; “The Fall and Rise of the Largest CM-at-Risk Transportation Construction Project Ever,” ASCE Journal of Construction Engineering and Management, Volume 135, No. 9, American Society of Civil Engineers, Reston, VA, 2009, pp. 401-410.
34. **Minchin, R.E.**; **Hammons, M.I.**; Ahn, J.(g) ; Choubane, B.; “A Construction Quality Index for Highway Construction,” Journal of Construction Management and Economics, Volume 26, No. 10; Routledge, an imprint of Taylor and Francis, Abington, UK, 2008, pp. 1313-1324.
35. **Minchin, R.E.**; **Hammons, M.I.**; Ahn, J.(g) ; “A Highway Construction Quality Index for Florida,” Journal of the Transportation Research Board, TRR No.2081, Transportation Research Board, Washington, DC, 2008, pp 29-37.
36. **Minchin, R.E.**; Swanson, D.C.; **Gruss, A. F.(g)** ; Thomas, H.R.; “Computer Applications in Intelligent Compaction,” ASCE Journal of Computing in Civil Engineering, Volume 22, No. 4, American Society of Civil Engineers, Reston, VA, 2008, pp. 243-251
37. **El-Mashaleh, M.;**(g) ; **Minchin, R.E.**; O’Brien, W. J.; “Management of Construction Firm Performance Using Benchmarking”; ASCE Journal of Management in Engineering, Volume 23, No. 1, American Society of Civil Engineers, Reston, VA, 2007, pp. 10-17
38. **Zayed, T.;** **Minchin, R.E.**; Boyd, A.J.; Smith, G.R.; McVay, M.C.; “A Model for the Physical Risk Assessment of Bridges with Unknown Foundation”; ASCE Journal of Performance of Constructed Facilities, Volume 21, No. 1, American Society of Civil Engineers, Reston, VA, 2007, pp. 44-52
39. **Choi, J.(g)** and **Minchin, R.E.**; “Work Flow Management and Productivity Control for Asphalt Pavement Operations”; Canadian Journal of Civil Engineering, Volume 33, No. 8; Canadian Society of Civil Engineers, Montreal, QC, 2006, pp. 1039-104

40. Choi, J(g) .; **Minchin, R.E.**; Herbsman, Z.J.; “A Decision-making Model for Base Material Options”; Journal of the Transportation Research Board, TRR No.1974, Transportation Research Board, Washington, DC, 2006, pp 63-69.
41. **Minchin, R.E.**; Zayed, T.; Boyd, A.J; Mendoza, M.(g) ; “Best Practices of Bridge System Management - A Synthesis”; ASCE Journal of Management in Engineering, Volume 22, No. 4, American Society of Civil Engineers, Reston, VA, 2006, pp. 186-195.
42. El-Mashaleh, M.(g) ; O’Brien, W. J.; **Minchin, R.E.**; “Firm Performance and Information Technology Utilization in the Construction Industry,” ASCE Journal of Construction Engineering and Management, Volume 132, No. 5, American Society of Civil Engineers, Reston, VA, 2006, pp. 499-507.
43. **Minchin, R.E.**; Glagola, C.R.; Guo, K.(g) ; Languell, J.L.(g) ; “The Case for Drug Testing of Construction Workers”; ASCE Journal of Management in Engineering, Volume 21, No. 1, American Society of Civil Engineers, Reston, VA, 2006, pp. 43-50.
44. Guo, K.(g) , **Minchin, R.E.**, Ferragut, T.; “The Shift to Warranties and Performance Specs: What of Method Specs?,” Journal of Construction Management and Economics, Volume 23, No. 9; Routledge, an imprint of Taylor and Francis, Abington, UK, 2005, pp. 953-963.
45. Chancey, R.(g) , Sputo, T.; **Minchin, R.E.**; Turner, J.(g) .; “Accuracy and Precision in Structural Steel Design”; ASCE Practice Periodical on Structural Design and Construction, Volume 10, No.3; American Society of Civil Engineers, Reston, VA, August, 2005, pp. 154-160.
46. **Minchin, R.E.**; Smith, G.R ; “A Quality-based Contractor Rating Model for Qualification and Bidding Purposes,” ASCE Journal of Management in Engineering, Volume 21, No. 1; American Society of Civil Engineers, Reston, VA, January, 2005, pp. 38-43.
47. Stewert, J.(g) ; **Minchin, R.E.**; Dayal, V.; Smith, G.R.; Jaselskis, E.J.; “Potential Construction Applications for Thermoset Composite Scrap Material,” ASCE Journal of Construction Engineering and Management, Volume 130, No. 2, American Society of Civil Engineers, Reston, VA, 2004, pp. 199-206.
48. Thomas, H.R.; **Minchin, R.E.**, Chen, D.(g) ; “Role of Workforce Management in Bridge Superstructure Labor Productivity,” ASCE Journal of Management in Engineering, Volume 19, No. 1, American Society of Civil Engineers, Reston, VA, 2003, pp. 9-16.
49. Thomas, H.R.; **Minchin, R.E.**; Horman, M.J.; Chen, D.(g) ; “Improving Labor Flow Reliability for Better Productivity as Lean Construction Principle,” ASCE Journal of Construction Engineering and Management, Volume 129, No. 3, American Society of Civil Engineers, Reston, VA, 2003, pp. 251-261.
50. **Minchin, R.E.**; Thomas, H.R.; “Validation of a Vibration-based Onboard Asphalt Density Measuring System,” ASCE Journal of Construction Engineering and Management, Volume 129, No. 1, American Society of Civil Engineers, Reston, VA, 2003, pp. 1-7.

51. Gao, Z.(g) ; Smith, G.R.; **Minchin, R.E.**; “Budget and Schedule Success for Small Capital Facility Projects,” ASCE Journal of Management in Engineering, Volume 18, No. 4; American Society of Civil Engineers, Reston, VA, October, 2002, pp. 186-193.
52. **Minchin, R.E.**; Thomas, H.R.; Swanson, D.C.; “Theory Behind a Vibration-based Asphalt Density Measuring System,” Journal of the Transportation Research Board, TRR No. 1761, Transportation Research Board, Washington, DC, 2001, pp. 70-78.

Proceedings (48)

53. D’Angelo, D.; **Minchin, R.E.**; Tian, Y.(g); “Bridge Bundling: An Innovation in Bridge Delivery”; **Accepted** for publication in the Proceedings of the 3rd Euro-Med Structural Engineering and Construction Conference; Euro-Med SEC; Limassol, Cyprus, 2020.
54. **Minchin, R.E.**; Myers, M.(g); Tran, D.; Tian, Y.(g); “A Synthesis of Constructability on Transportation Construction”; **Accepted** for publication in the Proceedings of the 3rd Euro-Med Structural Engineering and Construction Conference; Euro-Med SEC; Limassol, Cyprus, 2020.
55. Tian, Y. (g); Zhang, Y.; **Minchin, R.E.**; Asutosh, A. (g); Kan, C. (g); “Exploring the Potential of Blockchain-Based Tokenization with Infrastructure Financing”; Construction Research Congress; Phoenix, AZ, 2020.
56. Tian, Y. (g); **Minchin, R.E.**; Zhang, Y.; Kan, C. (g); “Integration of Alternative Technical Concepts with Innovative Delivery Methods”; Construction Research Congress; Phoenix, AZ, 2020.
57. **Minchin, R.E.**; Tran, D.; Tian, Y.(g); Im, H.(g); “Analysis of Impediments to a Successful Constructability Process in U.S. Highway Construction”; Proceedings of the 10th International Structural Engineering and Construction Conference; ISEC; Chicago, IL, 2019.
58. Migliaccio, G.; **Minchin, R.E.**; Gatti, U.; Ptschelinzew(g) , L.R.; Atkins, K.; Hostetler, G.; “Best Practices for the Design Process for the Horizontal Design-Builder”; Proceedings of the 10th International Structural Engineering and Construction Conference; ISEC; Chicago, IL, 2019.
59. Im, H. (g); **Minchin, R.E.**; Hakim, H.; Zhang, Y.; “A Prediction Model To Monitor The Financial Soundness Of Construction Firms In Korea And The US”; Proceedings of the Construction Research Congress, New Orleans, LA, 2018
60. **Minchin, R.E.**; Pan, J.; Walters, R.C.; “Key Indicators and Recommendations to Mitigate Counterfeiting in Construction Supply Chains”; Abstract submitted for publication in the Proceedings of the 1st International Conference on Professionalism and Ethics in Construction; London, UK, 2018.
61. **Minchin, R.E.**; Ptschelinzew(g) , L.R.; Migliaccio, G.; Gatti, U.; Atkins, K.; Hostetler, G.; Zhang, Y. (g); “Best Practices for the Design Process for the Construction-Manager-as-General-Contractor”; Conference Presentation Series; Athens Institute for Education and Research; Athens, Greece, 2018.

62. **Minchin, R.E.**; Choksi, P (g); Konrath, L.; Scott, S.; Y. Zhang (g); “A Preliminary Study of Alternative Technical Concepts in Highway Project Delivery Methods in the US”; Proceedings, 9th International Structural Engineering and Construction Conference, Valencia, Spain, 2017.
63. Zhang, Y. (g); **Minchin, R.E.**; “Forecasting Conceptual Costs of Bridge Projects Using Non-Parametric Regression Analysis”; Proceedings, 9th International Structural Engineering and Construction Conference, Valencia, Spain, 2017.
64. **Minchin, R.E.**; Close, S.M. (g); Flood, I.; “Public Perceptions of the Construction Industry in Florida”; International Structural Engineering and Construction Europe and Mediterranean Conference; *Interaction Between Theory and Practice in Civil Engineering and Construction*; Istanbul, Turkey, 2016.
65. Hancock, G.N. (g); **Minchin, R.E.**; “Use of the Delphi Method to Track and Analyze Incentives to Highway Construction Workers in the US”; International Structural Engineering and Construction Europe and Mediterranean Conference; *Interaction Between Theory and Practice in Civil Engineering and Construction*; Istanbul, Turkey, 2016.
66. Zhang, Y. (g) and **Minchin, R.E.** “Parametric Cost Estimation of Resurfacing Projects Using Ridge Regression and a Generalized Feedforward Neural Network”; Construction Research Congress 2016; San Juan, PR; pp. 718-728.
67. Ashuri, B.; Masoumi, R.(g); **Minchin, R.E.**; Shahandashti, M.(g); Touran, A.; “State of Practice in Portfolio Management: A Comprehensive Survey,” Proceedings, 5th International Construction Specialty Conference, Canadian Society of Civil Engineers, Vancouver, BC, Canada, 2015, pp. 38-1 – 38-10.
68. Ziqiang Zeng, Z. (g); **Minchin, R.E.**; Ptschelinzew, L.R. (g); Zhang, Y. (g); “Applying Multi-objective Decision Making Model to Selection of Multiple Project Delivery Methods for Multi-project Construction Projects Under Uncertainty,” 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand, 2014, pp. 477-482.
69. Ptschelinzew, L.R. (g); **Minchin, R.E.**; Issa, R.R.A.; “Development of a System to Validate and Certify Equipment and Technicians for the Inspection of Underground Pipe,” 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand, 2014, pp. 589-594.
70. Ptschelinzew, L.R.(g) ; **Minchin, R.E.**; Migliaccio, G.; Atkins, K.; G.; Hostetler, G.A.; Warne, T.R.; Nettuno, G.; “Best Practices in Design Process Development for Accelerated Construction Project Delivery”; Proceedings, 7th International Structural Engineering and Construction Conference, Honolulu, Hawaii, 2013, pp. 1205-1210.
71. **Minchin, R.E.**; Ptschelinzew, L.R.(g) ; Issa, R.R.; “Best Practices for Inspection of Underground Pipe Construction”; Proceedings, 7th International Structural Engineering and Construction Conference, Honolulu, Hawaii, 2013, pp. 1199-1204.
72. **Minchin, R.E.**; Ptschelinzew(g) , L.R.; Migliaccio, G.; Gatti, U.; Atkins, K.; Hostetler, G.; “A Synthesis of Fast Track Highway Construction Delivery in the U.S.”;

Proceedings, World Building Congress, Conseil International du Batiment (cib), Brisbane, Australia, 2013, pp. CD

73. **Minchin, R.E.**; Migliaccio, G.; Li, X(g) .; Issa, R.R.; Atkins, K.; Vargas, G.; Hostetler, G.A.; “Construction and Design Issues for Construction Manager / General Contractor Highway Projects”; Proceedings, Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada, 2012, pp. CD
74. **Minchin, R.E.**; Christmas, S.A.; “Common Sense Solutions to the U.S. Workers’ Compensation Epidemic”; Proceedings, Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada, 2012, pp. CD
75. **Minchin, R.E.**; **Mogge, J.W(g)** .; Christmas, S.A.; “Synthesis of Viable Negotiated Alternatives for Contractors’ Workers’ Compensation”; Proceedings, 6th International Structural Engineering and Construction Conference, Zurich, Switzerland, 2011, pp. 491-496
76. **Minchin, R.E.**; **Dingman, R.T(g)** .; Walters, R.; “Preliminary Findings: Counterfeiting in the International Construction Industry”; Proceedings, 6th International Structural Engineering and Construction Conference, Zurich, Switzerland, 2011, pp. 305-310
77. **Minchin, R.E.**; Walters, R.; Pan, J.; R., Fang, D.; “Counterfeit Construction Products from Low-Cost Sourcing Countries”; Proceedings, Conseil International du Batiment (cib) Conference for Management and Innovation for a Sustainable Environment, Amsterdam, The Netherlands, 2011, pp. CD
78. **Minchin, R.E.**; **Li, X.(g)** ; “CM-at-Risk as a Highway Construction Delivery System in the Southeastern United States”; Proceedings, Conseil International du Batiment (cib) Conference for Management and Innovation for a Sustainable Environment, Amsterdam, The Netherlands, 2011, pp. CD
79. **Choi, J.(g)** ; **Minchin, R.E.**; Lee, S.; “Stochastic Simulation Model For Estimating Construction Time Durations”; Proceedings, 5th International Conference on Ubiquitous Information Technologies & Applications (CUTE 2010), Sanya , Hainan, China, 2010, pp. CD.
80. **Minchin, R.E.**; **Thurn, S.B.(g)** ; Ellis, R.D.; “The Move to Nighttime Construction – How are U.S. Highway Agencies Coping?” Proceedings, Conseil International du Batiment (cib) World Building Congress, The Lowry, Salford Quays, United Kingdom, 2010, pp. CD
81. **Minchin, R.E.**; **Tuell, S.(g)** ; **Mogge, J.W(g)** .; “Managing Workers’ Compensation for Contractors– A Synthesis” Proceedings, Conseil International du Batiment (cib) World Building Congress, The Lowry, Salford Quays, United Kingdom, 2010, pp. CD
82. **Pyeon, J.H.(g)** ; Ellis, R.D.; **Minchin, R.E.**; **Glagola, C.R.**; “Traffic Impact on Project Time Performance during Incentive Construction Projects”; Proceedings, 1st International Conference on Transportation Construction Management; Orlando, FL; 2008 pp. CD

83. **Minchin, R.E.**; Baciak, J.; Haghighat, A.; "Identification and Demonstration of a Technology Adaptable to Locating Water in Post-tensioned Bridge Tendons," Proceedings of the 87th Transportation Research Board, Washington, DC, 2008, pp. CD
84. **Minchin, R.E.**; Hammons, M.I.; Ahn, J.Y.(g) ; Choubane, B.; "Highway Construction Quality Index for Florida"; Proceedings, 87th Transportation Research Board Annual Meeting, Washington, DC, 2008, pp. CD
85. Zayed, T.; **Minchin, E.**; Amer, M.; "Financial Risk Assessment for Highway Bridges"; Proceedings of the 6th International Conference on the Role of Engineering Towards a Better Environment, Alexandria, Egypt, 2007, pp. CD
86. Ahn, J.(g) ; **Minchin, R.E.**; "Identifying Causes for Delay in Highway Construction Projects," Proceedings of the 86th Transportation Research Board, Washington, DC, 2007, pp. CD
87. **Minchin, R.E.**; Swanson, D.C.; Thomas, H.R.; "Computers in Intelligent Compaction"; Proceedings of the International Conference on Computers in Civil Engineering, Cancun, Mexico, 2005, pp. 1-10 (CD).
88. El-Mashaleh, M.(g) ; O'Brien, W. J.; **Minchin, R.E.**; "Construction Firm Performance and IT Utilization," Proceedings of the Construction Research Congress, San Diego, CA, 2005, pp. 640-644.
89. Choi, J(g) .; **Minchin, R.E.**; Herbsman, Z.J.; "Simulation Tools for the Economic Evaluation of Base Construction," Proceedings of the Construction Research Congress, San Diego, CA, 2005, pp. 519-524.
90. **Minchin, R.E.**; Ahn, J.Y.; Herbsman, Z.J.; "Documenting the Real Causes of Delay in Highway Construction Projects,"; Proceedings of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 170-171 (Executive Summary); Manuscript on CD.
91. **Minchin, R.E.**; Ellis, R.D.; "CM-at-Risk Delivery System and the Miami Intermodal Center"; Proceedings of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 222-223 (Executive Summary); Manuscript on CD.
92. **Minchin, R.E.**; Campo, M(g) .; Glagola, C.R.; Thakkar, K.(g) ; "Managing Preliminary Estimates in a Changing Economy," Proceedings of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 70-71 (Executive Summary); Manuscript on CD.
93. El-Mashaleh, M.(g) ; **Minchin, R.E.**; O'Brien, W. J.; "Benchmarking Construction Firm Performance," Proceedings of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 88-89 (Executive Summary); Manuscript on CD.
94. **Minchin, R.E.**; Glagola, C.R.; Thakkar, K.V.(g) ; Santoso, A(g) .; "Maintaining Preliminary Estimate Accuracy in a Changing Economy," Proceedings of the American Society of Civil Engineers Specialty Conference on Leadership and Management in Construction, Hilton Head SC, 2004; pp. 120-128.
95. Cervera, A(g) .; **Minchin, R.E.**; "The Change to End-result Specifications: Where are we now?," Proceedings of the 82nd Transportation Research Board Annual Meeting, Washington, DC, 2003, pp. 1-10 (CD).

96. **Minchin, R.E.**; Thomas, H.R.; Swanson, D.C.; “Application of Asphalt Quality Control Using Vibration Analysis,” Proceedings of American Society of Civil Engineers Annual Meeting, Seattle, WA, 2000, pp. 1-12 (CD).
97. **Minchin, R.E.**; Thomas, H.R.; “Asphalt Density from Compactor Vibration Levels,” Proceedings of American Society of Civil Engineers 6th Construction Congress, Orlando, FL, 2000, Letter of acceptance – paper was inadvertently left out of printed proceedings (along with over 15% of total accepted papers).
98. **Minchin, R.E.**; **Smith, G.R.**; “Contractor Qualification - Where Are We?,” Proceedings of 78th Transportation Research Board Annual Meeting, Washington, DC, 1999, pp. 1-17
99. **Minchin, R.E.**; Thomas, H.R.; “Asphalt Quality Control Through Compactor Vibratory Responses,” Proceedings of American Society of Civil Engineers 5th Materials Congress, Cincinnati, OH, 1999, pp. 883 – 891.
100. **Minchin, R.E.**; Thomas, H.R.; “Determining Relative Density Through Compactor Vibratory Measurement,” Proceedings of 77th Transportation Research Board Annual Meeting, Washington, DC, 1998, pp. 1-10 (CD)

Non-refereed Publications (39) – Proceedings (2)

101. **Smith, G.R.** and **Minchin, R.E.**; “Contractor Qualification Based on Quality,” Proceedings of Canadian Society of Civil Engineers Annual Meeting, 1999.
102. **Minchin, R.E.**; Thomas, H.R.; “Measuring Asphalt Density Through Compactor Vibratory Responses,” Proceedings of 14th International Symposium of Automation and Robotics in Construction, Pittsburgh, PA, 1997.

Research Reports, etc. (31)

103. **Minchin, R.E.**; “Comprehensive Report on the Status of the Master’s Programs; Prepared as an Aid to the Investigator: Third-Party Evaluation Study of the Master’s Degree Programs; M.E. Rinker Sr. School of Construction Management; University of Florida; 2018.
104. **Minchin, R.E.**; Ries, R.; Issa, R.R.; Im, H.; Tian, Y.; “Industry Surveys Regarding Master’s Degree Program Options and Continuing Education” – Report to Executive Committee, M.E. Rinker Sr. School of Construction Management, University of Florida, Gainesville, FL, 2018.
105. **Minchin, R.E.**; Chini, A.R.; **Ptschelinzew, L.**; **Zhang, Y.**; **Shah, D.**; “Alternative Contracting” - Research Project No. BDV31-977-40; Florida Department of Transportation Final Report, Tallahassee, FL, 2016.
106. **Touran, A.**; **Ashuri, B.**; **Minchin, R.E.**; Masoumi, R.; Shahandashti, M.; “Managing a Portfolio of Projects – Metrics for Improvement” – Research Report (RR303); Construction Industry Institute, Austin, TX; 2014.
107. O’Hanlon, C.; Robinson, M.; Touran, A.; Ashuri, B.; **Minchin, R.E.**; Masoumi, R.; Shahandashti, M.; RT 303 team members; “Managing a Portfolio of Projects – Metrics for Improvement – Research Summary”; Research Summary (RS303); Construction Industry Institute, Austin, TX; 2014.

108. Touran, A.; Ashuri, B.; **Minchin, R.E.** ; “Playbook for Managing a Portfolio of Projects – Metrics for Improvement”; Implementation Resource (IR303); Construction Industry Institute, Austin, TX; 2014.
109. **Minchin, R.E.**; Ptschelinzew, L.; Issa, R.R.; Zhang, Y.; “Best Practices for Inspection of Utility Pipe System Construction”, Research Project No. BDK75 977-56; Florida Department of Transportation Final Report, Tallahassee, FL, 2014.
110. **Minchin, R.E.**; Migliaccio, G.; Atkins, K.; Hostetler, G.; Warne, T.; Asiamah, S.; Ptschelinzew, L.; Gatti, U.; Zhang, Y.; “Design Management Guide for Design-Build and Construction Manager / General Contractor Projects”, NCHRP 15-46 Interim Report No. 2, Washington, DC, 2013.
111. **Minchin, R.E.**; Migliaccio, G.; Atkins, K.; Hostetler, G.; Warne, T.; Asiamah, S.; Ptschelinzew, L.; Gatti, U.; Zhang, Y.; “Design Management Guide for Design-Build and Construction Manager / General Contractor Projects”, NCHRP 15-46 Interim Report No. 1, Washington, DC, 2012.
112. **Minchin, R.E.** and Li, X.(g); “Performances of Construction-Manager-at-Risk for Highway and Bridge Projects in the Southeastern United States” Final Report to Balfour Beatty Construction Services, Miami, FL, 2011.
113. **Minchin, R.E.** and Emerson, R.D.; “Negotiated Workers’ Compensation – Making NECA Chapters a Player, Phase II” Final Report for Electrical Contracting Foundation Study, National Electrical Contractors Association, Bethesda, MD, 2011.
114. **Minchin, R.E.**; Walters, R. C.; Pan, J.; Dvorsek, J.; Traffanstead, D.; Casada, M.; Kelly, T.; “Product Integrity Concerns in Low-cost Sourcing Countries,” Construction Industry Institute Research Report No. 264, Austin, TX, 2010.
115. **Minchin, R.E.**; Walters, R. C.; Pan, J.; Dvorsek, J.; Traffanstead, D.; Casada, M.; Kelly, T.; “Product Integrity Concerns in Low-cost Sourcing Countries,” Construction Industry Institute Research Summary No. 264, Austin, TX, 2010.
116. Kibert, C.J.; Hertel, L.; **Minchin, R.E.**; Ries, R.; Sherif, S.A.; Walters, R. C.; “A Comprehensive Solar Power System for the Turkey Lake Service Plaza,” Final Report for FDOT Project BDK75 977-18, Tallahassee, FL, 2009.
117. VonQuintus, H.L.; Rao, C.; **Minchin, R.E.**; Maser, K.R.; Nazarian, S.; Prowell, B.; “NDT Technology for Quality Assurance of HMA Pavement Construction,” NCHRP Report 626; Washington, DC, 2009.
118. VonQuintus, H.L.; Rao, C.; **Minchin, R.E.**; Maser, K.R.; Nazarian, S.; Prowell, B.; “Non-destructive Testing Technology for Quality Control and Acceptance of Flexible Pavement Construction,” Final Report for NCHRP Project 10-65, Phase 2; Washington, DC, 2008.
119. Lewis, D.W. (g) and **Minchin, R.E.**, “Underground Storage Tank Secondary Containment and Primary Integrity UST Relocation Report,” for Florida Department of Environmental Protection, Tallahassee, FL, 2007.
120. Hammons, M.I.; **Minchin, R.E.**; “Determining an Acceptable Construction Quality Index for Florida,” Final Report for Project PR608014; Florida Department of Transportation; Tallahassee, FL; 2007.

121. Ellis, R.D.; Pyeon, J.H.(g) ; **Minchin, R.E.**; “Evaluation of Alternative Contracting Techniques on FDOT Construction Projects” Final Report for Project BDC51; Florida Department of Transportation; Tallahassee, FL; 2007.
122. **Minchin, R.E.**; Haghighat, A.; Baciak, J.; “A Non-destructive Active Interrogation Technique for Material Identification in Civil Structures” Final Report for Project CMS – 0612980; National Science Foundation; Arlington, VA; 2007.
123. **Minchin, R.E.**; “Identification and Demonstration of a Technology Adaptable to Locating Water in Post-Tensioned Bridge Tendons”; Final Report for Project BD545-45; Florida Department of Transportation; Tallahassee, FL; 2007.
124. VonQuintus, H.L.; Rao, C.; **Minchin, R.E.**; Maser, K.R.; Nazarian, S.; Prowell, B.; “Non-destructive Testing Technology for Quality Control and Acceptance of Flexible Pavement Construction,” Interim Report for NCHRP Project 10-65, Phase 2; Washington, DC, 2006.
125. **Minchin, R.E.**; Christmas, S.A., Mogge, J.W.(g) ; and Tuell, S.A(g) .; “Negotiated Workers’ Compensation – Making NECA Chapters a Player,” Final Report for Electrical Contracting Foundation Study, National Electrical Contractors Association, Bethesda, MD, 2005.
126. Von Quintus, H.L.; Rao, C.; Stubstad, R.N.; **Minchin, R.E.**; Maser, K.R.; Nazarian, S.; “Non-destructive Testing Technology for Quality Control and Acceptance of Flexible Pavement Construction,” Interim Report for NCHRP Project 10-54, Washington, DC, 2004.
127. **Minchin, R.E.**, Herbsman, Z., and Choi, J.(g) , “An Economic Evaluation Based on Total Cost of Aggregate Base vs. Asphalt Base,” Final Report for Project Development Division Study, Florida Department of Transportation, Tallahassee, FL, 2003.
128. **Minchin, R.E.** and Smith, G.R., “Quality-based Performance Rating of Contractors for Prequalification and Bidding Purposes,” Final Report for NCHRP Project 10-54, Published as NCHRP Web Document 38, Washington, DC, 2001.
129. **Minchin, R.E.** and Jahren, C. T., “Schedule Master Plan for I-235,” Final Report for Project Development Division Study, Iowa Department of Transportation, Ames, IA, 2001.
130. Jahren, C.T. and **Minchin, R.E.**, “Researching Methods of Delay Reduction for a Major Urban Interstate Project,” Final Report for Project Development Division Study, Iowa Department of Transportation, Ames, IA, 2000.
131. Thomas, H.R., **Minchin, R.E.**, and Swanson, D.C., “Report on an Onboard Asphalt Density Measuring Device, Phase II” Final Report for Phase II of Research Project, Ingersoll-Rand Construction Machinery, Shippensburg, PA, 1999.
132. **Minchin, R.E.** and Smith, G.R., “Quality-based Performance Rating of Contractors for Prequalification and Bidding Purposes,” Interim Report for NCHRP Project 10-54, Washington, DC, 1998.
133. Thomas, H.R., Swanson, D.C., and **Minchin, R.E.**, “Report on an Onboard Asphalt Density Measuring Device, Phase I” Final Report for Phase I of Research Project, Ingersoll-Rand Construction Machinery, Shippensburg, PA, 1998.

Abstracts (6)

134. **Minchin, R.E.**; Christmas, S.A.; “Common Sense Solutions to the U.S. Workers’ Compensation Epidemic”; Conference Handbook, Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada, 2012, p. 14
135. **Minchin, R.E.**; Migliaccio, G.; Li, X(g) .; Issa, R.R.; Atkins, K.; Vargas, G.; Hostetler, G.A.; “Construction and Design Issues for Construction Manager / General Contractor Highway Projects”; Conference Handbook, Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada, 2012, p. 65
136. **Minchin, R.E.**; Ahn, J.Y.; Herbsman, Z.J.; “Documenting the Real Causes of Delay in Highway Construction Projects,”; Executive Summaries of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 170-171
137. **Minchin, R.E.**; Ellis, R.D.; “CM-at-Risk Delivery System and the Miami Intermodal Center”; Executive Summaries of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 222-223
138. **Minchin, R.E.**; Campo, M(g) .; Glagola, C.R.; Thakkar, K.(g) ; “Managing Preliminary Estimates in a Changing Economy,” Executive Summaries of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 70-71
139. El-Mashaleh, M.(g) ; **Minchin, R.E.**; O’Brien, W. J.; “Benchmarking Construction Firm Performance,” Executive Summaries of the Conseil International du Batiment; Helsinki, Finland, 2005; pp. 88-89