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AREAS OF SPECIALIZATION

Hundreds of billions of dollars are spent each year on building, rebuilding and repairing the physical infrastructure of the United States alone, not to mention the greater amount spent internationally. Many of the nation's highways, bridges and dams were constructed right after World War II and are now obsolete or at the point of failure. Private infrastructure such as pipelines, oil refineries and pharmaceutical research and manufacturing facilities are also aging and in need of upgrades. Dr. Minchin's research is focused on the delivery of a smoother, less litigious, less costly and safer design and construction process, and a safer and more sustainable final product.

Dr. Minchin's career as a researcher has been characterized by a narrowing of his Areas of Specialization from the many and varied areas that he pursued early in his career, to the few he now pursues. After 14 years in industry, Dr. Minchin entered academia with several areas of interest. The first few years in academia saw a further broadening of his areas of specialization as he was exposed to more and more interesting research possibilities. However, the last five years has seen Dr. Minchin's reputation grow to the point that he can be more selective of the activities in which he gets involved, and this includes the research that he pursues and the papers that he writes. This has brought about a narrowing of his areas of specialization to include only those areas for which he has achieved the greatest repute. Dr. Minchin now spends approximately 90% of his research and consulting effort on three academic areas: 1) Alternative Methods for Construction Project Delivery and Administration; 2) Construction Supply Chain Integrity and Security (with an emphasis on counterfeit construction commodities), and 3) Construction Contract Claims Avoidance and Dispute Resolution. In the last five years, Dr. Minchin has been invited to deliver four keynote speeches at construction management conferences all over the world. At a conference in China, his Keynote Address was on Alternative Methods for Construction Project Delivery; at conferences in Canada and Thailand, his topic was Construction Supply Chain Integrity and Security, with an emphasis on counterfeit construction commodities. Also, Dr. Minchin was recently awarded for the Best Paper at the top international construction conference in Finland (topic: Alternative Methods for Construction Project Delivery).

As a professor, Dr. Minchin **has supervised (advised) nine PhD students, graduating five.** **Three have graduated and joined university faculties in China, Jordan and Korea. One is Civil Engineering Department Chair.** Two others are officially and properly credited to

professors in the Civil and Coastal Engineering Department because the students graduated after Dr. Minchin transferred to the College of Design, Construction and Planning (DCP). One other has only to complete his thesis to be awarded his PhD in Civil Engineering. Two others are current PhD students under Dr. Minchin in Construction Management. Only one of the nine has discontinued efforts to obtain a PhD.

Dr. Minchin is certified by the state of Florida as a Professional Engineer and the International Disputes Resolution Board Foundation as a Disputes Resolution Board Chair. As a researcher, he **has been part of over \$3.0 million in research grants in his 14 years as a professor, almost \$2.0 million as PI. In that time, he has authored over 100 published manuscripts and reports, including over 60 refereed publications** (28 refereed journal papers, six book chapters and 30 refereed proceedings).

ASSIGNMENT (Last five years)

Year/Area	2012-2013	2011-2012	2010-2011	2009-2010	2008-2009
Teaching	50%	50%	50%	35%	43%
Research	30%	30%	30%	45%	44%
Service	20%	20%	20%	20%	13%
Extension	0%	0%	0%	0%	0%
Clinical	0%	0%	0%	0%	0%
Total	100%	100%	100%	100%	100%

EDUCATIONAL BACKGROUND

Institution	Field of Study	Degree	Area of Emphasis
Pennsylvania State University	Civil Engineering	Doctor of Philosophy	Construction Management
University of Florida	Civil Engineering	Master of Engineering	Construction Management
University of Florida	Civil Engineering	Bachelor of Science	Construction Management
Chipola College	Pre-Engineering	Associate of Arts	Pre-engineering

EMPLOYMENT

Academic Employment:

Institution	Position	Dates	Status
University of Florida	Professor	Aug. 2013 - Present	Tenure
University of Florida	Director of Masters Programs, Rinker	Aug. 2011 - Present	N/A
Northeastern University	Visiting Scholar	Aug. 2015 – Aug. 2016	Non-tenure Accruing
University of Florida	Associate Professor	Aug. 2007 – Aug. 2013	Tenure
University of Florida	Assistant Professor	Aug. 2001 – Aug. 2007	Tenure Accruing
Iowa State University	Assistant Professor	Aug. 1999 – Aug. 2001	Tenure Accruing
PA Transportation Inst.	Faculty Associate	Aug. 1996 – Aug. 2000	Non-tenure Accruing
Penn State University	Lecturer	Aug. 1996 – Aug. 1998	Non-tenure Accruing

Industry Employment:

Florida Department of Transportation Chief Area Construction
 Nov 1992 - Aug 1996 Tallahassee, Florida Engineer

Florida Department of Transportation Resident Construction
 Jun 1987 - Nov 1992 Crestview, Florida Engineer

United States Navy Civil Engineer Corps Reserve Officer - Const. Battalion
 Apr 1986 - Sep 1994 Jacksonville and Tallahassee, Florida (Part-time)

Florida Department of Transportation Drainage Design
 Dec 1985 - Jun 1987 Lake City, Florida Engineer

Couch Construction Inc. Estimator
 Aug 1984 - Feb 1985 Tampa, Florida

Florida Department of Transportation Cooperative Engineering
 Jun 1977 - Dec 1981 Employee
 Chipley and Gainesville, Florida (9 academic terms as full-time employee during this time)

**YEAR TENURE/PERMANENT STATUS (FULL PROFESSOR) WAS AWARDED BY
 UNIVERSITY OF FLORIDA**

2010 (2014)

TEACHING, ADVISING, AND INSTRUCTIONAL ACCOMPLISHMENTS

Dr. Minchin teaches the only course required of all Master's degree students in the Rinker School of Building Construction - Research Methods, BCN 6036. Students are 30-40% finished with their Master's thesis at the conclusion of this rigorous course, which teaches all aspects of research, including statistical analysis, the only statistics instruction that many of these students receive in the Master's experience. Before taking on administrative responsibilities, Dr. Minchin started from absolutely nothing and built within the Building Construction School a track for Heavy / Highway construction, a discipline that had never been taught at the Rinker School. The track is part of a Heavy / Highway program that includes two undergraduate courses, two graduate courses, a Heavy / Civil competition team and a student chapter of the Florida Transportation Builders Association. Dr. Minchin uses the club meetings and competition team practice sessions to teach additional subject matter not covered in the courses. The best thing that can be said for Dr. Minchin's Heavy / Highway program is that no student involved in the program has ever graduated without a job offer. This is an amazing statistic, given the problems that students in engineering and construction have had in finding jobs in the economy of the last five years. Employers are very complimentary of the students from the program that they have hired and many former students are moving swiftly up the career ladder at some of the world's largest construction companies. A summary of Dr. Minchin's teaching accomplishments are seen below.

New Courses Developed and Courses Substantially Modified (since last promotion):

Courses Developed (3)

- BCN 4880 Equipment and Methods for Heavy / Highway Construction (3 hr.)
- BCN 3240 Management of Heavy / Highway Construction (3 hr.)
- BCN 4787 Capstone Project for Heavy Highway Construction (3 hr.)

Courses Substantially Modified (2)

- BCN 6036 Advanced Research Methods (3 hr.)
- BCN 5715 Advanced Construction Labor Problems (3 hr.)

Undergraduate High Honors Committees:

- Number as Chair – 3
- Number as Member - 3

University Scholars:

- Henriquez, Nicholas – “Analysis of Construction Project Owner Attitudes in a Global Market,” 2006.
- King, Aaron – “Evaluation of Alternative Contracting Techniques on FDOT Construction Projects,” 2006.
- Sawicki, Kris – “East v West: Cultural Impacts on Attitudes and Proliferation of Counterfeiting in the Construction Industry,” 2011

Coordinator Duties

- Graduate Coordinator, Construction Engineering Program (Iowa State U.), 2000 – 2001
- Graduate Coordinator, Construction Engineering and Management Program, 2002 – 2007
- Director of Masters Programs, Rinker school of Building Construction, 2011 - present

Advising accomplishments: As Director of Masters Programs, advise all Masters Students in their first year. Currently advise Masters and PhD students.

GRADUATE COMMITTEE ACTIVITIES

Candidate's Role	Student	Major	Complete Date
Chair Ph.D	Kelu Guo	Civil Engineering	December 2006
Chair Ph.D	Jaehyun Choi	Civil Engineering	August 2006
Chair Master's	Mawutor Agudu	Building Construction	
Chair Master's	Fernando Corona Chacon	Building Construction	August 2013
Chair Master's	Xiao Li	Building Construction	August 2011
Chair Master's	Shannon Close	Building Construction	May 2011
Chair Master's	Shuai Cui	Building Construction	May 2010
Chair Master's	Russel Dingman	Building Construction	December 2009
Chair Master's	Steven Thurn	Building Construction	December 2008
Chair Master's	James Swick	Building Construction	December 2008
Chair Master's	Allen Smith	Building Construction	December 2008
Chair Master's	Michael James	Civil Engineering	August 2007
Chair Master's	Jose Sotomayor	Civil Engineering	May 2007
Chair Master's	Scott Kaufmann	Civil Engineering	May 2007
Chair Master's	Wesley Banks	Civil Engineering	May 2007
Chair Master's	Mahammad Dudekula	Civil Engineering	May 2007
Chair Master's	Johann Weekes	Civil Engineering	December 2006
Chair Master's	John Mogge	Civil Engineering	August 2006
Chair Master's	Steven Mauro	Civil Engineering	August 2006
Chair Master's	Becky Li	Civil Engineering	August 2006
Chair Master's	Joseph Wiggins	Civil Engineering	May 2006
Chair Master's	Arjun Paul	Civil Engineering	May 2006
Chair Master's	Jesse O'brien	Civil Engineering	May 2006

Chair Master's	Prajakta Joshi	Civil Engineering	May 2006
Chair Master's	Kellie Loper	Civil Engineering	May 2006
Chair Master's	Atul Bakale	Civil Engineering	May 2006
Chair Master's	Ryan Chancey	Civil Engineering	April 2005
Chair Master's	Bo Merlino	Civil Engineering	April 2005
Chair Master's	Peter Chase	Civil Engineering	December 2004
Chair Master's	Sharda Singh	Civil Engineering	December 2004
Chair Master's	Jeremy Thompson	Civil Engineering	August 2004
Chair Master's	Ketan Thakkar	Civil Engineering	August 2004
Chair Master's	Raja Saoud	Civil Engineering	December 2003
Chair Master's	Kelu Guo	Civil Engineering	August 2003
Chair Master's	Alejandro Cervera	Civil Engineering	December 2002
Co-Chair Ph.D	Mohammaed Elmashaleh	Civil Engineering	December 2003
Co-Chair Master's	Christopher Decker	Building Construction	December 2011
Co-Chair Master's	Javier Estopinan	Building Construction	May 2010
Co-Chair Master's	Kenneth Perrine	Building Construction	May 2009
Member Ph.D	Reza Masoumi	Northeastern University	August 2015
Member Ph.D	Bradley Hunter	Design, Construction, and Planning	
Member Ph.D	Wayne Rilko	Civil Engineering	
Member Ph.D	Joe Wills	Design, Construction, and Planning	
Member Ph.D	Philip Barlow	Design, Construction, and Planning	May 2015
Member Ph.D	Matthew Stevens	Design, Construction, and Planning	December 2012
Member Ph.D	Edward Malone	Design, Construction, and Planning	December 2010
Member Ph.D	Seong Kim	Design, Construction, and Planning	December 2009
Member Ph.D	Sang Lhee	Design, Construction, and Planning	December 2009
Member Ph.D	Guy Abi-nader	Design, Construction, and Planning	August 2009
Member Ph.D	Junyong Ahn	Civil Engineering	August 2008
Member Ph.D	Jinlee Kim	Civil Engineering	August 2006
Member Ph.D	Jae-Ho Pyeon	Civil Engineering	December 2005

Member Ph.D	Juan Suarez	Civil Engineering	December 2004
Member Ph.D	Seung Lee	Civil Engineering	December 2003
Member Ph.D	Cristina Cosma	Civil Engineering	December 2003
Member Master's	Craig Roberts	Building Construction	May 2013
Member Master's	Sean Compton	Building Construction	August 2011
Member Master's	Drew Berman	Building Construction	May 2009
Member Master's	Yamal Yidios	Civil Engineering	August 2008
Member Master's	Peter Donkor	Building Construction	May 2008
Member Master's	Joshua Casart	Building Construction	May 2008
Member Master's	Matthew Ruben	Building Construction	May 2008
Member Master's	Supriya Ghule	Building Construction	May 2008
Member Master's	Edward Roske	Civil Engineering	May 2007
Member Master's	Virendra Kothari	Civil Engineering	December 2005
Member Master's	Monica Gomez	Civil Engineering	December 2005
Member Master's	Deepti Bhadkamkar	Civil Engineering	December 2005
Member Master's	Michael Coe	Civil Engineering	August 2005
Member Master's	Kemper Craig	Civil Engineering	August 2005
Member Master's	Akin Altunbas	Civil Engineering	August 2005
Member Master's	Brian Ellis	Civil Engineering	April 2005
Member Master's	George Brockway	Civil Engineering	December 2004
Member Master's	Reginald Mcneil	Civil Engineering	August 2004
Member Master's	Richard English	Civil Engineering	August 2004
Member Master's	Michael Demetriades	Civil Engineering	December 2003
Member Master's	Cristina Cosma	Civil Engineering	December 2003
Member Master's	Isabelle Detter	Civil Engineering	August 2003
Member Master's	Erick Arroyo	Civil Engineering	May 2003
Member Master's	Michael Maruri	Civil Engineering	May 2003
Member Master's	Juan Suarez	Civil Engineering	August 2002
Member Master's	O'neil Crossman	Civil Engineering	August 2002
Member Master's	Deepalaxmi Rasalkar	Civil Engineering	August 2002
Member Master's	Jinlee Kim	Civil Engineering	August 2002
Member Master's	Mehulkumar Patel	Civil Engineering	May 2002
External Ph.D Chair	Don Lewis	Civil Engineering	May 2009

CONTRIBUTION TO DISCIPLINE/RESEARCH NARRATIVE

By combining backgrounds in Construction Delivery Systems, Construction Supply Chain Integrity and Security and Sensor Technology, Dr. Minchin has established a research program that has brought over \$3.0 million to the schools that have employed him, including over \$2.3 million and a NSF grant to UF, and almost \$1.2 million to the Rinker School. Over 95 publications have been produced, with over 60 appearing in the very best civil engineering and construction journals and proceedings. The journals of the American Society of Civil Engineers, the Journal of the Transportation Research Board and the Journal of Construction Management and Economics, published in United Kingdom, are considered the best and most prestigious journals in which a construction academic might publish. Dr. Minchin has published about 90% of his technical papers in these journals.

Dr. Minchin has attempted to answer the following questions while at UF:

- How should public transportation agencies design their design processes when building a project using a fast-track product delivery method?
 - Two research Projects (NCHRP, Balfour-Beatty)
- Is counterfeiting a problem in the construction industry? If, so,
 - One Research Project (CII)
- Can the science of Gamma Ray Spectroscopy (GRS) be advanced to identify and locate harmful materials in civil structures?
 - Two research projects (NSF, FDOT)
 - Related question: Can the creative use of admixtures solve the problem of corrosion of steel reinforcement in concrete bridges?
 - Two research projects (FHWA, FDOT)
- Can the vibratory signature of a vibratory asphalt compactor be measured and used to determine the density of an asphalt mat?
 - Two research projects (Ingersoll-Rand, Caterpillar (both before UF))
- What is the best way for a construction owner or contractor to manage a portfolio of construction projects?
 - One research Project (CII)
- What is the best way for a public transportation agency to inspect their underground water and wastewater construction projects?
 - One research Project (FDOT)
- How do economic conditions and working at night affect contractors' bid prices?
 - Two research projects (both internally funded)
- Can contractors' performance be objectively measured?
 - Two research projects (FDOT (at UF), NCHRP (before UF))
- Can the suffering of injured workers and contractors be mitigated by radical advances in workers' compensation programs?
 - Three research projects (ECF)

Dr. Minchin's research has resulted in several scientific, economic, and social advances.

- Development of a model to aid Departments of Transportation in improving preliminary construction cost estimates. This model will result in agencies being able to more accurately set their annual and five-year-plan budgets, so as to more accurately plan their construction activities.
- Generation of a Guidebook of best practices for public and private construction owners and contractors to use in executing a portfolio of construction projects.
- Generation of a Guidebook for all state Departments of Transportation to use in establishing their design processes for transportation construction projects that will be built using a fast-track delivery system.
- Development of Best Practices for public highway agencies to use to inspect buried pipe construction. The practice utilizes laser and closed circuit television technologies.
- Performed the first documented research in the area of counterfeit equipment, materials and products in construction supply chains. The research resulted in the generation of aids for construction owners and contractors to utilize to attain a higher degree of supply chain integrity. This research also resulted in the most complete data set on counterfeiting in the construction industry in the world today.
- Identification of the best technology for locating dangerous pockets of water in post-tensioned bridge conduits that can lead to systems for infrastructure management and homeland security with worldwide applications
- An automated Economic Decision-Making model for FDOT use in deciding which base materials to use in highway construction
- Integration of effects of delay and interferences into existing construction simulation models, making the simulation models much more realistic
- Patented Onboard Asphalt Density Measuring System. This system has been emulated in systems on the market today.
- A roadmap for contractors to use in establishing the best Workers' Compensation plan for their company and the most complete data set on Alternative Workers' Compensation programs for construction contractors in the U.S. These are being used by state contractor advocacy groups and labor unions to get legislation passed in their states to improve Workers' Compensation.
- The first plan anywhere to construct a solar-powered energy system to power a campus of public buildings. The plan includes a museum and information source on solar energy for the public, and will act as encouragement and as a template for state departments of transportation nationwide to build similar systems.

CREATIVE WORKS OR ACTIVITIES

- 2013. Lead the development of a Guidebook to be used by all 52 state and territorial Departments of Transportation for the establishment of their design management systems when employing fast-track construction projects.

- 2013. Co-developed a Guidebook for large industrial, infrastructure and building contractors to use in managing a portfolio of construction projects.
- 2009. Instructional Multimedia Presentation. Uses PowerPoint and laminated handouts to instruct participants in the elimination and mitigation of counterfeit construction materials and products from the supply chains of industrial, infrastructure and large building construction projects. Presentations have been made to NASA, the US Department of Justice, the Global Network of International Construction and the Construction Industry Institute.
- 2005. Co-developed a Risk Index (R) that assesses risk and prioritizes bridges with unknown foundations for owners (DOTs, etc.). A model for calculating R was then designed. Finally, two application methods for the model were used to assess R: (1) the abstract model (AM) and (2) the detailed model (DM).
- 2004. Co-developed the Structural Number Method (SNM), based on the established practice of assigning structural numbers to different highway base materials. This method allows the user to quickly calculate the required thickness of any base material being considered for design. Developed under a grant from, and now used by, FDOT.
- 2004. Co-developed the Base Economic Analysis Tool (BEAT), an automated decision-making tool for those trying to determine which, of a group of base materials, is the most economical choice. Developed under a grant from, and now used by, FDOT.

PATENTS AND COPYRIGHTS

- 1998. Led work done on Onboard Asphalt Density Measuring System, Patent No. 6,122,601. Have petitioned to have name added to patent. This patented system holds great promise to create a new method of asphalt pavement quality assurance/control and, since the patent; similar systems have been developed by equipment manufacturers world-wide. This was one of the first two such systems in the world.
- Copyrights on several publications assigned to the publishing organizations.

PUBLICATIONS (105 total)

Categories:

Books, Lead Author (1)

1. “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. Note: Dr. Minchin was lead author of book, assisted by G.C. Migliaccio and others

Books, Contributor of Chapters (6)

2. 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: Dr. Minchin was lead writer of chapter, assisted by Martha Gross

3. 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: Dr. Minchin was lead writer of chapter, assisted by Ketan Thakkar (g) and R.D. Ellis
4. 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: Dr. Minchin was lead writer of chapter, assisted by Gary R. Smith
5. 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: Dr. Minchin was lead writer of chapter, assisted by J.Y. Ahn (g) and Z.J. Herbsman.
6. 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: Dr. Minchin was lead writer of chapter, assisted by R.D. Ellis.
7. 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: Dr. Minchin wrote entire chapter.

Refereed Publications – Journals (29)

8. Jiang, T.(p); An, X.; **Minchin, R.E.**; Li, S.; “Quantifying the impact of information systems in infrastructure maintenance management processes (A field Study)”;
Accepted for publication by ASCE Journal of Management in Engineering;
American Society of Civil Engineers, Reston, VA; July, 2015
9. 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
10. **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)

11. **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
12. **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
13. **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
14. **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.
15. **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.
16. **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.
17. **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.
18. **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.
19. **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.
20. **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

21. 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
22. 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
23. 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
24. 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.
25. **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.
26. 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.
27. **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.
28. 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.
29. 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.
30. **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.
31. 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.

32. 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.
33. 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.
34. **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.
35. 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.
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37. 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
38. 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
39. 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
40. 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

41. **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
42. **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
43. **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
44. **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
45. **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
46. **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
47. **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
48. **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
49. 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.
50. **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

51. **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
52. 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
53. **Minchin, R.E.**; Baciak, J.; Haghghat, 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
54. **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
55. 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
56. 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
57. **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).
58. 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.
59. 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.
60. **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.
61. **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.
62. **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.

63. El-Mashaleh, M.(g) ; **Minchin, R.E.**; O'Brien, W. J.; "Benchmarking Construction Firm Performance," Proceedings of the Council International du Batiment; Helsinki, Finland, 2005; pp. 88-89 (Executive Summary); Manuscript on CD.
64. **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.
65. 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).
66. **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).
67. **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).
68. **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
69. **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.
70. **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 – Proceedings (2)

71. **Smith, G.R.** and **Minchin, R.E.**; "Contractor Qualification Based on Quality," Proceedings of Canadian Society of Civil Engineers Annual Meeting, 1999.
72. **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.

Non-refereed Publications - Research Reports, etc. (27)

73. **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
74. 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

75. 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
76. 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
77. 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
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79. 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
80. 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.
81. 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
82. 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
83. 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
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85. 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.
86. 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

87. 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
88. 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
89. **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
90. **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\
91. 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.
92. **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.
93. 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.
94. **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.
95. **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.
96. **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.
97. 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.
98. **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.
99. 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,

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100. **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
101. **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
102. **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
103. **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
104. **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
105. **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

LECTURES, SPEECHES, POSTERS, PRESENTED AT PROFESSIONAL CONFERENCES (95 total):

International

International Invited Presentations (without refereed paper and excl. seminars) (8):

1. “Construction Supply Chain Integrity: Mitigating the Counterfeit Threat”; 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand, November, 2014 (**Keynote Address**)
2. “Sino-American Product Integrity Concerns in Low-cost Sourcing Countries”; Faculty and Graduate Student Speaker Series; Hong Kong, October, 2014
3. “The Steel Market and Counterfeiting: Impacts on the Economy”; First Steel Market and Counterfeiting Conference, organized by Cate’ Note’-Nord, Sept Iles, Quebec, Canada, 2014 (**Keynote Address**)
4. “Product Integrity Concerns from Low-cost Sourcing Countries,” National Aeronautics and Space Administration (NASA), Kennedy Space Center, Cape Canaveral FL, with worldwide satellite hookup to nine remote locations; March, 2011 (**Only Presenter**)

5. “The Use of CM-at-Risk in Transportation Construction in the U.S.”; Faculty and Graduate Student Speaker Series; Hong Kong; February, 2009 (**Only Presenter**)
6. “Current Trends in the Use of Delivery Systems in the U.S.”; National Faculty – Industry Workshop; Beijing, China; January, 2009 (**Keynote Address**)
7. “Product Integrity Concerns in Low-Quality Source Countries”; Global Network for International Construction; Beijing, China, January, 2009
8. “Measuring Asphalt Density Through Compactor Vibratory Responses,” 14th International Symposium of Automation and Robotics in Construction, Pittsburgh, PA, 1997.

International Presentation (with a refereed paper) (18):

9. “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
10. “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
11. “Best Practices in Design Process Development for Accelerated Construction Project Delivery”; 7th International Structural Engineering and Construction Conference, Honolulu, Hawaii, 2013
12. “Best Practices for Inspection of Underground Pipe Construction”; 7th International Structural Engineering and Construction Conference, Honolulu, Hawaii, 2013
13. “Construction and Design Issues for Construction Manager / General Contractor Highway Projects”; Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada; June, 2012
14. “Common Sense Solutions to the U.S. Workers’ Compensation Epidemic”; Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada; June, 2012
15. “Synthesis of Viable Negotiated Alternatives for Contractors’ Workers’ Compensation”; 6th International Structural Engineering and Construction Conference, Zurich, Switzerland, June 2011.
16. “Preliminary Findings: Counterfeiting in the International Construction Industry”; 6th International Structural Engineering and Construction Conference, Zurich, Switzerland, June 2011.

17. “Counterfeit Construction Products from Low-Cost Sourcing Countries”; Conseil International du Batiment (cib) Conference for Management and Innovation for a Sustainable Environment, Amsterdam, The Netherlands, June 2011.
18. “CM-at-Risk as a Highway Construction Delivery System in the Southeastern United States”; Conseil International du Batiment (cib) Conference for Management and Innovation for a Sustainable Environment, Amsterdam, The Netherlands, June 2011.
19. “The Move to Nighttime Construction – How are U.S. Highway Agencies Coping?” Conseil International du Batiment (cib) World Building Congress, Salford Quays, United Kingdom, May, 2010.
20. “Managing Workers’ Compensation for Contractors– A Synthesis” Conseil International du Batiment (cib) World Building Congress, Salford Quays, United Kingdom, May 2010.
21. “Active Interrogation Techniques for Non-destructive Investigation of Historic Structures”; Association for Preservation Technology International; Montreal, Quebec, Canada, October 2008
22. “Computers in Intelligent Compaction”; International Conference on Computers in Civil Engineering, Cancun, Mexico, July, 2005.
23. “Documenting the Real Causes for Delay in Highway Construction Projects,” Conseil International du Batiment, Helsinki, Finland, June, 2005.
24. “Benchmarking Construction Firm Performance,” Conseil International du Batiment, Helsinki, Finland, June, 2005.
25. “CM-at-Risk Delivery System and the Miami Intermodal Center,” Conseil International du Batiment, Helsinki, Finland, June, 2005.
26. “Managing Preliminary Estimates in a Changing Economy,” Conseil International du Batiment, Helsinki, Finland, June, 2005.

International Conference Sessions as an Organizer, Moderator, or Panelist (8):

27. “Contracting Systems,” 2nd Australasia and Southeast Asia Conference in Structural Engineering and Construction; Bangkok, Thailand; November 2014
28. “Performance and Safety”; 7th International Structural Engineering and Construction Conference; Honolulu, Hawaii, June 2013
29. “Economics of Sustainability and Risk Management,” Conseil International du Batiment (cib) Conference for Management of Construction Research to Practice, Montreal, Quebec, Canada; June 2012
30. “Effect of Culture on Performance,” 6th International Structural Engineering and Construction Conference, Zurich, Switzerland, June 2011.
31. “Case Studies in Innovative Construction Management Practice,” Annual Meeting of the Transportation Research Board, Washington, DC, Organized and Chaired Technical Session, 2004.

32. "Emerging Technologies for Constructing and Maintaining Transportation Infrastructure," Annual Meeting of the Transportation Research Board, Washington, DC, Organized and Chaired Technical Session, 2002.
33. "New Technology in the Compaction of Hot-Mix Asphalt Pavement," American Society of Civil Engineers, Materials Congress 5, Cincinnati, OH, Organized and Chaired Technical Session, 1999.
34. "Innovations in Asphalt Paving and Compaction Equipment," Annual Meeting of the Transportation Research Board, Washington, DC, Organized and Chaired Technical Session, 1997.

National (26)

35. "Guide for Design Management on Design-Build and Construction Manager / General Contractor Projects" Four-hour workshop at National Accelerated Bridge Construction Conference; Transportation Research Board / Associated Builders and Constructors; Miami, FL, 2014
36. "Counterfeit Materials and Products in the Construction Supply Chain" Counterfeit Electronic Parts and Electronic Supply Chain Symposium, Surface Mount Technology Association; College Park, MD, 2014
37. "Design Management Framework for Design-Build and Construction Manager/General Contractor Delivery," National Cooperative Highway Research Program; Transportation Research Board, Washington, DC, 2013
38. "Sino-American Perceptions of Counterfeiting in the Construction Industry," D.C. Counterfeit Microelectronics Working Group; U.S. Department of Justice, Washington, DC, 2013
39. "Called to the Academy," Faculty Commons Annual Conference, Jacksonville, FL, 2012
40. "Making Construction Manager / General Contractor a Tool in Your Project Delivery Toolbox," 61st Maine Construction Conference, Augusta, ME, 2011
41. "Product Integrity Concerns from Low-cost Sourcing Countries (second)," Construction Industry Institute Annual Conference, Orlando, FL, 2010
42. "Product Integrity Concerns from Low-cost Sourcing Countries (first)," Construction Industry Institute Annual Conference, Orlando, FL, 2010
43. "Product Integrity Concerns from Low-cost Sourcing Countries –Preliminary Results," Procurement Executives Group for the Engineering and Construction Industry (PEG Group) Semi-annual Meeting, Houston, TX, Fall, 2009
44. "Activities of ASCE Committee on Construction Quality Management and Inspection," ASCE Construction Leadership Forum, Chicago, IL, 2008

45. "Identification and Demonstration of a Technology Adaptable to Locating Water in Post-tensioned Bridge Tendons," Virginia Transportation Research Council, Charlottesville, VA, 2008
46. "Using Gamma Ray Spectroscopy to Identify, Locate, and Measure Harmful Elements in Structures," Turner-Fairbanks Highway Research Center, McLean, VA, 2007
47. "Using Gamma Ray Spectroscopy to Identify, Locate, and Measure Harmful Elements in Structures," U.S. Department of Transportation, Washington, DC, 2007
48. "Cooperatively-Negotiated Workers' Compensation," Electrical Contracting Foundation, San Diego, CA, 2006.
49. "A Qualitative Assessment of the Relative Effectiveness of Existing Workers Compensation Programs," Electrical Contracting Foundation, Chicago, IL, 2005.
50. "Workers' Compensation In Minnesota – Means to an End"; National Electrical Contractors Association; St. Paul, MN, 2005
51. "Cooperatively-Negotiated Workers' Compensation - Making NECA Chapters a Player," Electrical Contracting Foundation, Naples, FL, 2005.
52. "The Miami Intermodal Center," Mega Projects of America Conference – American Society of Civil Engineers, Washington, DC, 2005.
53. "Active Interrogative Techniques for Locating Water in Civil Structures," National Science Foundation, Washington, DC, 2004.
54. "Accessing a New Market – Outsourcing Maintenance of Public Facilities Maintenance," Electrical Contracting Foundation, Chicago, IL, 2004.
55. "Collectively-bargained Workers' Compensation - Making NECA Chapters a Player," Electrical Contracting Foundation, Chicago, IL, 2004.
56. "Asphalt Density from Compactor Vibration Levels," American Society of Civil Engineers Committee on Construction Quality and Inspection, Charlotte, NC, 1999.
57. "Asphalt Density from Compactor Vibration Levels," American Society of Civil Engineers Committee on Construction Quality and Inspection, Charlotte, NC, 1999.
58. "A Quality-Based Contractor Performance Rating System," American Association of Highway and Transportation Officials (AASHTO), Subcommittee on Construction, Portland, ME, 1998.
59. "A Quality-Based Contractor Performance Rating System," Transportation Research Board, Committee A2F05, Committee on Construction Management, 1998.
60. "G.P.S.-Aided Quality Control," 77th Transportation Research Board Annual Meeting, Washington, D.C., 1998.

National Presentations (with a Refereed Paper) (16):

61. "Certification of Technicians and Equipment for Underground Pipe Inspection"; 92nd Transportation Research Board Annual Meeting, Washington, DC, 2014.

62. "Subsequential Findings: Counterfeit Materials and Equipment in the Construction Supply Chain," 91st Transportation Research Board Annual Meeting, Washington, DC, 2011
63. "Use of Innovative Contracting Methods by DOTs – Project Managers Speak"; 1st International Transportation Construction Management Conference, Orlando, FL, 2009
64. "Identification and Demonstration of Technology Adaptable to Locating Water in Post-tensioned Bridge Tendons"; 87th Transportation Research Board Annual Meeting, Washington, DC, 2008.
65. "Highway Construction Quality Index for Florida"; 87th Transportation Research Board Annual Meeting, Washington, DC, 2008.
66. "Traffic Impact on Project Time Performance during Incentive Construction Projects"; Proceedings, 1st International Conference on Transportation Construction Management; Orlando, FL; 2008 pp. CD
67. "Identifying Causes for Delay in Highway Construction Projects," 86th Transportation Research Board Annual Meeting, Washington, DC, 2007
68. "A Decision-making Model for Base Material Options"; 85th Transportation Research Board Annual Meeting, Washington, DC, 2006.
69. "Simulation Tools for the Economic Evaluation of Base Construction," Construction Research Congress, San Diego, CA, 2005.
70. "Maintaining Preliminary Estimate Accuracy in a Changing Economy," American Society of Civil Engineers Specialty Conference on Leadership and Management in Construction, Hilton Head, SC, 2004.
71. "The Change to End-result Specifications: Where are We Now?" 82nd Transportation Research Board Annual Meeting, Washington, DC, 2003.
72. "Application of Asphalt Quality Control Using Vibration Analysis," American Society of Civil Engineers Annual Meeting, Seattle, WA, 2000.
73. "Asphalt Density from Compactor Vibration Levels," Proceedings of American Society of Civil Engineers 6th Construction Congress, Orlando, FL, 2000.
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76. "Determining Relative Density Through Compactor Vibratory Measurement," 77th Transportation Research Board Annual Meeting, Washington, DC, 1998.

State (9)

77. Florida Engineering Society Annual Summer Conference – Miami Beach, Florida. "The Value of CM/GC as a Tool for Infrastructure Project Delivery," 2011

78. University of Florida Office of Facilities, Planning and Construction – Gainesville, Florida. “Product Integrity Concerns from Low-cost Sourcing Countries,” 2012
79. Florida Engineering Society Annual Summer Conference – Miami Beach, Florida. “The Value of CM/GC as a Tool for Infrastructure Project Delivery,” 2011
80. Florida Department of Transportation State Office of Structural Design – Tallahassee, Florida. “Using Gamma Ray Spectroscopy to Identify and Locate Water in Post-Tensioned Bridge Conduits,” 2005.
81. Florida Department of Transportation State Office of Materials and Research - Gainesville, Florida. “An On-Board Density Meter,” 1999.
82. Florida Department of Transportation District Three Bituminous Office - Chipley, Florida. “An On-Board Density Meter,” 1999
83. Florida Department of Transportation State Office of Materials and Research - Gainesville, Florida. “An On-Board Density Meter,” 1998.
84. Pennsylvania Transportation Institute Annual Transportation Conference - University Park, Pennsylvania. “Determining Relative Density Through On-Board Vibratory Measurement,” 1998.
85. Associated Pennsylvania Constructors / Pennsylvania Department of Transportation Annual Construction Meeting - Hershey, Pennsylvania. “An On-Board Density Meter,” 1998.

Local (5)

86. Research Symposium; College of Design, Construction and Planning, University of Florida; Gainesville, Florida, “Guide for Design Management on Design-Build and Construction Manager / General Contractor Projects,” (poster session) 2015
87. Research Symposium; College of Design, Construction and Planning, University of Florida; Gainesville, Florida, “Guide for Design Management on Design-Build and Construction Manager / General Contractor Projects,” 2015
88. Faculty Commons Monthly Luncheon; “Called to the Academy”; University of Florida; Gainesville, Florida, 2014
89. Research Showcase; College of Design, Construction and Planning, University of Florida; Gainesville, Florida, “The Threat of Counterfeit Construction Products to Project Supply Chain Integrity,” 2014
90. Research Showcase; College of Design, Construction and Planning, University of Florida; Gainesville, Florida, “Best Practices for Inspection of Utility Pipe System Construction,” (poster session) 2014

Other (5)

Presentations for which Dr. Minchin was a contributor but did not present (5)

91. "21st Century Project Delivery: Better, Faster, and Smarter Ways of Doing Business Utilizing CM/GC"; American Public Works Association Congress, Toronto, Ontario, Canada; Presented by G. Hostetler, 2014
92. "A Synthesis of Fast Track Highway Construction Delivery in the U.S."; Proceedings, World Building Congress, Conseil International du Batiment (cib), Brisbane, Australia; Presented by G. Migliaccio, 2013
93. "Financial Risk Assessment for Highway Bridges"; Proceedings of the 6th International Conference on the Role of Engineering Towards a Better Environment, Alexandria, Egypt; Presented by T. Hegazy, 2007
94. "Contractor Qualification Based on Quality," Proceedings of Canadian Society of Civil Engineers Annual Meeting, Presented by G.R. Smith, 1999.
95. "An On-Board Density Meter," Pennsylvania Department of Transportation State Bituminous Office - Harrisburg, Pennsylvania; Presented by H.R. Thomas, 1998

CONTRACTS AND GRANTS SINCE JOINING RINKER SCHOOL FACULTY

Role	Agency	Grant Title	Total Award	%	Rinker Amount	%	From	To
PI	Florida Department of Transportation (FDOT)	Alternative Contracting	\$139,000	15.0	\$139,000	100.0	2015	2016
PI*	Construction Industry Institute (CII)	Managing a Portfolio of Projects – Metrics for Improvement	\$220,000	21.6	\$47,531	100.0	2012	2014
PI	National Cooperative Highway Research Program (NCHRP)	Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects	\$400,000	100.0	\$400,000	45.0	2012	2014
PI	FDOT	Best Practices for Inspection of Utility Pipe System Construction	\$116,690	100.0	\$116,690	100.0	2011	2014
PI	Balfour-Beatty	Performance of Construction Manager-at-Risk for Highway and Bridge Projects in the Southeastern United States	\$ 19,500	100.0	\$ 19,500	100.0	2010	2011
PI/co-PI**	FDOT	A Comprehensive Solar Power System for the Turkey Lake Plaza	\$315,551	100.0	\$315,551	25.0	2009	2009
PI	CII	Product Integrity Concerns in Low-Cost Sourcing Countries	\$222,987	100.0	\$222,987	66.7	2008	2010
PI	Electrical Contracting Foundation (ECF)	Validation and Quantification of Existing Negotiated Workers' Compensation Systems	\$ 41,250	100.0	\$ 41,250	100.0	2008	2009
Totals			\$1,474,978		\$1,302,509			

* - Dr. Minchin served as PI for the UF research effort. UF served as Co-PI to another entity.

** - Dr. Minchin was the PI during the procurement of the contract, but after procurement (verbal), he stepped aside for Dr. C. Kibert to act as PI since it was more in Dr. Kibert's area of expertise.

Role	Agency	Grant Title & Dates	Total Award	%	Candidate Amount	%	From	To
PI	National Science Foundation (NSF)	Location of Water in Civil Structures Using Gamma Ray Spectroscopy	\$50,000	100.0	\$50,000	100.0	2006	2006
Co-PI	Federal Highway Administration (FHWA)	Field Analysis of Different Admixtures Performance in Precast PCC Piles in Extremely Corrosive Conditions	\$400,000	100.0	\$200,000	50.0	2006	2008
Co-PI	Florida Department of Transportation (FDOT)	Evaluation of Alternative Contracting Techniques on FDOT Construction Projects	\$146,718	100.0	\$46,718	30.0	2006	2006
Co-PI	FDOT	Development of Concrete Mixtures Containing Highly Reactive Pozzolans for Improved Durability in Florida Environments	\$ 289,651	100.0	\$ 144,826	50.0	2006	2008
PI	FDOT	Assessing the Appropriate Construction Quality Index	\$36,750	100.0	\$36,750	100.0	2006	2007
PI	Electrical Contracting Foundation (ECF)	Quantified Analysis of Effectiveness of Existing Workers Compensation Programs	\$82,500	100.0	\$82,500	100.0	2006	2006
PI	FDOT	Identification and Demonstration of a Technology Adaptable to Locating Water in Post-tensioned Bridge Tendons	\$ 50,000	100.0	\$ 50,000	100.0	2005	2006
PI	ECF	Collective Bargaining of Workers' Compensation – Making NECA Chapters a Player	\$75,000	100.0	75,000	100.0	2005	2005
PI	National Cooperative Highway Research Program (NCHRP)	Analysis of Non-destructive Testing Methods for Asphalt Pavement – Phase II	\$12,500	100.0	\$12,500	100.0	2004	2005
PI	FDOT	An Economic Evaluation Based on Total Cost of Aggregate Base vs. Asphalt Base	\$81,067	100.0	\$81,067	100.0	2002	2003
Total research contracts funded at UF (2001 - 2007)			\$1,224,186					

ROLE	TOTAL	Direct Costs	Indirect Costs
Principal Investigator	\$1,163,509	\$810,780	\$314,479
Co-Principal Investigator			
Investigator			
Senior Personnel			
Sponsor of Junior Faculty			
Totals	\$1,163,509	\$810,780	\$314,479

Funded Internally –

Role	Agency	Title & Dates	Total Award	%
PI	Rinker Foundation	A Model to Improve the Accuracy of Preliminary Cost Estimates for Public Transportation Construction Projects 2012 - 2016	\$60,000	100.0
PI	Rinker Foundation	Design-Management Guide for Design-Build and Construction Manager/General Contractor Projects 2012 - 2013	\$30,000	100.0
PI	Rinker Foundation	Product Integrity Concerns in Low-Cost Sourcing Countries 2008 - 2010	\$15,000	100.0
PI	UF	Synthesis of Construction Owner Processes in a Global Environment 2006 - 2007	\$6,000	100.0
PI		Total	\$111,000	100.0

ROLE	TOTAL
Principal Investigator	\$111,000
Co-Principal Investigator	
Investigator	
Senior Personnel	
Sponsor of Junior Faculty	
Totals	\$111,000

Submitted – Pending Decision

Role	Agency	Title & Dates	Total Award	%
PI	National Cooperative Highway Research Program (NCHRP)	(Submitted 2015)	\$105,000	15

Submitted - But Not Funded

Title	Role(g)	Agency	Total Budget	Date of Proposal
AASHTO Partnering Handbook, 2nd Edition	PI	National Cooperative Highway Research Program (NCHRP)	\$105,000	2014
Guidebook for an Integrated Roadway Signing System	Co-PI	NCHRP	\$150,000	2014
Integrating 3D Digital Models into Asset Management	Co-PI	Federal Highway Administration (FHWA)	\$238,790	2014
Definition and Measurement of Engineering/Design Deliverable Quality	Co-PI	Construction Industry Institute (CII)	\$225,000	2013
Survey of Construction Data in the PR of China, the US and Europe	PI	British Council – Global Innovation Initiative	\$225,000	2013
Alternative Technical Concepts for Design-Build and Construction Manager/General Contractor (CMGC) Projects	PI	NCHRP	\$40,000	2012
Deploying Best Practices in Developing Countries	PI	CII	\$225,000	2011
Construction Guide for Construction Manager/General Contractor Projects	PI	NCHRP	\$400,000	2010
Renewable Energy Guide for Highway Maintenance Facilities	Co-PI	NCHRP	\$500,000	2009
Active Interrogation Techniques for Locating Bleedwater and Rust in Post-tensioned and Cable-stayed Bridges	PI	NCHRP	\$149,050	2009
Nighttime Construction Impacts on Safety, Quality, and Productivity	PI	NCHRP	\$100,000	2008
Transition in the 21 st Century – From Electrical Contractor to Energy Service Provider	Co-PI	Electrical Contracting Foundation (ECF)	\$65,000	2008
Multi-level Transformational Leadership Training for NECA Contractors	Co-PI	ECF	\$55,000	2008

Title	Role(g)	Agency	Total Budget	Date of Proposal
Product Counterfeiting in the Electrical Industry: The Sources; The Impact; The Protection	PI	ECF	\$78,000	2008
Defining the Business Case for Corporate Sustainability Planning	Co-PI	National Association of Electrical Distributors (NAED)	\$106,000	2008
Selling Energy Management Solutions	Co-PI	NAED	\$97,000	2008
Active Interrogation Techniques for Locating Bleedwater and Rust in Post-tensioned and Cable-stayed Bridges	PI	NCHRP	\$150,000	2008

UNIVERSITY GOVERNANCE AND SERVICE

University

- University of Florida – Admissions Committee
 - Presentation: Why home-educated students should be treated the same as traditional students in the UF Admissions process (presented to whole committee, including VP for Admissions), November 14, 2012
 - Presentation: Why home-educated students should be treated the same as traditional students in the UF Admissions process (presented to VP for Admissions and other key members), October 4, 2011
- University of Florida – President’s Committee on Intercollegiate Athletics, Member, 2012 – 2015
- University of Florida - Kappa Alpha Order, Beta Zeta Chapter Advisor, 2011 – Present
- University of Florida – Faculty Advisor/Sponsor, College Republicans, 2010 – Present
- University of Florida – Faculty Advisor/Sponsor, Cross Impact Campus Ministry, 2007 – present
- University of Florida – Presidential Inauguration Delegate, 2004
- University of Florida – Faculty Advisor/Sponsor, Victory Campus Ministry, 2003 – present

College

- College of Design, Construction and Planning - Search Committee, Assoc. Dean for Research and Graduate Studies, 2015
- College of Design, Construction and Planning - Search Committee, Assoc. Dean for Global and Community Outreach, 2015
- College of Design, Construction and Planning – Tenure and Promotion Committee, 2014 - present
- College of Design, Construction and Planning - Search Committee, Director of Rinker School, 2012
- College of Design, Construction and Planning - Search Committee, Director of Rinker School, 2010 – 2011
- College of Design, Construction, and Planning - Public Relations Committee, 2009 - present
- College of Design, Construction, and Planning - International Relations Committee, 2008 - 2009
- College of Engineering - Lecturer, “Step Up,” Summer program for promising middle school students proficient in math and science, 2006
- College of Engineering - Lecturer,, “Eye on Engineering,” Summer program for promising high school students proficient in math and science, 2006

Department/Center

- Rinker School of Building Construction – **Director of Masters Programs** – 2011 – present
- Rinker School of Building Construction – Faculty Advisory Committee, 2011 – present
- Rinker School of Building Construction - Research and Graduate Program Committee, 2007 – present; **Chair**, 2011 – present
- Rinker School of Building Construction - Search Committee, Director of Fire and Emergency Services / Emergency and Disaster Management programs, 2013
- Rinker School of Building Construction - Coach, Heavy Civil Construction Competition Team, 2007 – present
- Rinker School of Building Construction - Faculty Advisor/Sponsor, Florida Transportation Builders Association Student Chapter, 2007 - present

CONSULTATIONS OUTSIDE THE UNIVERSITY

Date	Location	Work performed	Organization/ Employer
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01/15 – 12/15	Tallahassee FL	Chair , Regional Disputes Review Board	Florida Department of Transportation (FDOT) / Peavy Construction
10/14 - Present	Eglin AFB, FL	Disputes Review Board; SR 123	FDOT
10/14 - Present	Tampa, FL	Chair , Disputes Review Board; Veterans' Expressway, Gunn to Sugarwood Plaza	FDOT / SEMA Construction
4/14 - present	Miami, FL	Disputes Review Board; Alton Rd., Dade Co.	FDOT
12/13 - Present	Pensacola, FL	Disputes Review Board; I-10, Escambia Co.	FDOT
12/13 - Present	Freeport, FL	Disputes Review Board; SR 83, Choctawhatchee Bridge, Walton Co.	FDOT
12/12 - Present	Venice, FL	Disputes Review Board; I-75, Sarasota Co.	FDOT
09/13 – 03/15	Lutz, FL	Chair , Disputes Review Board; Veterans' Expressway	FDOT / GLF Construction
09/13 – 11/13	Lutz, FL	Chair , Disputes Review Board; Suncoast Parkway	FDOT
10/12 – 11/13	LaBelle, FL	Chair , Disputes Review Board; SR 80, Hendry Co.	FDOT
09/12 - Present	Freeport, FL	Disputes Review Board; SR 83, Walton Co.	FDOT
07/12 - Present	Chipley, FL	Disputes Review Board, Region Three	FDOT
01/12 – 01/13	Fort Walton Beach, FL	Expert Witness, Burnham v Tindle	Brannon & Brannon
08/10	Milton, FL	Chair , Regional Disputes Review Board, Avalon Blvd., Santa Rosa Co.	FDOT / Panhandle Construction
01/10	Tallahassee, FL	Chair , Regional Disputes Review Board, Ochlockonee River Bridge, SR 8, Leon Co.	FDOT / Seminole Construction

11/09 – 06/11	Ebro, FL	Disputes Review Board SR; 79, Washington Co.	FDOT
11/09 – 11/12	Vernon, FL	Disputes Review Board SR; 277, Washington Co.	FDOT
03/09 – 06/10	Wildwood, FL	Disputes Review Board SR 35/SR 44, Sumter Co.	FDOT
10/08 – 12/09	Freeport, FL	Disputes Review Board; US 331, Walton Co.	FDOT
01/08 – 01/11	Chipley, FL	Chair , Disputes Review Board, Region Three	FDOT
10/07 – 03/08	Gainesville, FL	Claims Consultant / Expert Witness	Beer / Skanska Construction
01/08 – 04/08	Archer, FL	Claims Consultant / Expert Witness	HyPower Construction
10/07 – 03/08	Jacksonville, FL	Claims Consultant / Expert Witness	John Carlo Construction
01/07 – Present	United States	Teach course in Workers’ Compensation nationwide, as needed	National Electrical Contractors Association (NECA)
04/07 – 02/08	Miami, FL	Claims Consultant / Expert Witness	Dolphin Mall, Miami, FL
01/04 - 03/04	Auburn, AL	Analysis of Non-destructive Testing Methods for Asphalt Pavement, Phase I	National Academy of Science (NCHRP)
08/26 - 28/02	Lake Tahoe, CA	Future of Sensors Workshop	National Science Foundation (NSF)
05/26/02	Washington, DC	Unsolicited Proposal Panel	NSF
07/01 - 09/01	Iowa	Development of Onboard Asphalt Density Measuring System, Phase I	Caterpillar Equipment Corporation

**EDITOR OF SCHOLARLY JOURNALS, SERVICE ON EDITORIAL ADVISORY
BOARDS, REVIEWER FOR SCHOLARLY JOURNALS**

Editor (1 journal)

Journal of Construction Engineering and Management, American Society of Civil

Engineers (ASCE). Assistant Specialty Editor, Construction Materials and Methods (2007 – 2014)

Editorial Advisory Boards (1 journal, 8 proceedings)

1. 1st European and Mediterranean Structural Engineering and Construction Conference, Istanbul, Turkey; 2016
2. 1st International Conference for Sustainable Development and Management, Hong Kong; 2016
3. 8th International Structural Engineering and Construction Conference, Sydney, Australia; 2015
4. 2nd Australasia and Southeast Asia Structural Engineering and Construction Conference, Bangkok, Thailand; 2014
5. 7th International Structural Engineering and Construction Conference, Honolulu, HI; 2013
6. 2nd International Conference on Transportation Construction Management; Orlando, FL; 2010
7. 1st International Conference on Transportation Construction Management; Orlando, FL; 2008
8. American Society of Civil Engineers (ASCE) Journal of Alternative Project Delivery, Procurement, and Contracting Methods for Highways; 2004-2006.
9. ASCE 5th Materials Congress, Cincinnati, OH; 1999.

Reviewer for Scholarly Journals (154 papers and abstracts):

1. *Journal of Construction Engineering and Management*, American Society of Civil Engineers (ASCE), 64 papers reviewed
 - “The Effects of CM/GC Project Delivery on Managing Process Risk in Transportation Construction” by Authors names withheld, 2015
 - “A Risk-based Project Delivery Selection Model for Highway Design and Construction” by Authors names withheld, 2015
 - “Quantitative Performance Comparison of Design-Build and Design-Bid-Build Delivery: a Meta-analysis of Project Cost, Schedule, and Quality” by Authors names withheld, 2015
 - “Merits and Demerits of Appointing the Design Consultant as Supervision Consultant on Construction Projects” by Authors names withheld, 2014
 - “Pre-design Estimation Framework for Residential Buildings” by Authors’ names withheld, 2014
 - “Counterfeiting Risk Governance in the Capital Projects Supply Chain” by Authors’ names withheld, 2014

- “Economic Sustainability of DBO Water / Wastewater Projects in the U.S.: Three Case Studies” by Authors’ names withheld, 2014
- “Examining Optimism Bias and Strategic Misrepresentation in Individual and Collective Contexts” by Authors’ names withheld, 2014
- “Enabling Ethical Code Embeddedness in Construction Organizations: A Process Assessment Approach” by Authors’ names withheld, 2014
- “Resource-Leveling Optimization with Fixed Duration for a Large Network Plan Based on the Monte Carlo Method” by Authors’ names withheld, 2014
- “Improving the Predictability of Construction Project Outcomes Through Intentional Management of Indirect Construction Costs” by Authors’ names withheld, 2013
- “Productivity in Daytime and Nighttime Construction of Urban Sewer Systems” by Authors’ names withheld, 2013
- “Quantification of Productivity Changes Due to Work Schedule Changes in Construction Projects. A Case Study” by Authors’ names withheld, 2013
- “Improving the Predictability of Construction Project Outcomes through Intentional Management of Indirect Construction Costs” by Authors’ names withheld, 2013
- “Risk Misallocation on Highway Transportation Projects” by Author(s) name withheld, 2013
- “Concession Renegotiation Models for Projects Developed Through Public-Private-Partnerships” by Author(s) name withheld, 2013
- “Capture and Transfer Models to retain and Develop Cost Engineering Competencies” by Author(s) name withheld, 2013
- “A Quantitative Analysis of a State Transportation Agency’s Experience with Constructability Reviews” by Author(s) name withheld, 2013
- “Nanotechnology as a Preventive Engineering Solution to Highway Infrastructure Failures” by Author(s) name withheld, 2012
- “Causes of Construction delays in Large Industrial Projects” by Author(s) name withheld, 2012
- “Key Relational Contracting Practices Affecting Performance of Public Construction Projects in China” by Author(s) name withheld, 2012
- “Down the Rabbit Hole: Home Office Overhead Calculations” by Author(s) name withheld, 2011
- “Performance Dashboard for Benchmarking Capital Projects Programs” by Author(s) name withheld, 2011

- “Modeling Competitiveness Factors and Indexes for Construction Companies: Findings of Chile” by Author(s) name withheld, 2011
- “Thermography-driven Distress Prediction from Hot-Mix Asphalt Road Paving construction” by Author(s) name withheld, 2011
- “Examination of Roller-integrated Continuous Compactor Control on a Colorado Testsite” by Author(s) name withheld, 2010
- “Towards a Multi-dimensional Performance Measure for International Joint Ventures in Construction” by Author(s) name withheld, 2010
- “Workface Planning Can Improve Productivity Rates” by Author(s) name withheld, 2010
- “Concurrent Delays and Apportionment of Damages” by Author(s) name withheld, 2010
- “Neural Network-based Compaction Analyzer for Estimating Compaction Quality of Hot Asphalt Mixes” by Author(s) name withheld, 2010
- “Stack Pipe Model for Pipe Jacking Method” by Author(s) name withheld, 2009
- “Measuring the Performance of International Joint Ventures in Construction” by Author(s) name withheld, 2009
- “Implementation of European-Based Specifications for Earthwork Quality Assurance Using Roller-Integrated Continuous Compaction Control” by Author(s) name withheld, 2009
- “Development of Priority Indicator for Sewerage PFI Projects in Taiwan” by Author(s) name withheld, 2009
- “Contractors’ Competition Strategies in Bidding: A Hong Kong Study” by Author(s) name withheld, 2009
- “Automotive Robustness of Scaffolding Systems Strengthened with Organic Prestressing” by Author(s) name withheld, 2009
- “Productivity Loss trends in Utility Construction” by Author(s) name withheld, 2008
- “Identification of Decision Drivers for the Strategy of Incorporating Utility Relocations into Highway Construction Contracts” by Author(s) name withheld, 2008
- “Field Procedures for Measuring Air Pollutant Emissions of Nonroad Diesel Engine Construction Vehicles” by Author(s) name withheld 2008
- “Estimating Work Zone Road User Cost for Alternative Contracting Methods in Highway Construction Projects” by Author(s) name withheld, 2008

- “Personality Study of Construction Professionals in the Turkish Construction Industry” by Author(s) name withheld, 2008
- “Impact of stress on Construction Project Managers” by Author(s) name withheld, 2008
- “Developing Structural Integrated Stressor-Stress Models for Clients’ and Contractors’ Cost Engineers by Author(s) name withheld, 2008
- “An Experimental Study on the Impact of Rainfall on RCC Construction” by Author(s) name withheld, 2008
- “Optimization of Shovel-Truck System for Surface Mining and Earthmoving Operations” by Author(s) name withheld, 2007
- “A Study of Factors Influencing the Efficient Management and Downtime Consequences of Highway Construction in Thailand” by Author(s) name withheld, 2007
- “Accumulation of Construction Waste in Construction Sites and its Modeling” by Author(s) name withheld, 2007
- “Environmental Implications of Construction Site Energy Use and Electricity Generation” by Author(s) name withheld, 2007
- “Cranes for Building Construction Projects” by Author(s) name withheld, 2007
- “The Relationship between Changes in Material Technology and Construction Productivity,” by Author(s) name withheld, 2007
- “Job performance dimensions for improving final project outcomes,” by Author(s) name withheld, 2006.
- “Six Sigma as a Strategy for Process Improvement on Construction projects: A Case Study,” by Author(s) name withheld, 2005.
- “Quantifying Uncertainties in Early Building Cost Estimates,” by Author(s) name withheld, 2005
- “Wooden Formwork Material Optimization in Reinforced Concrete Construction,” by Author(s) name withheld, 2005.
- “Probability of Project Completion Using Stochastic Project Scheduling Simulation (SPSS)” by Author(s) name withheld, 2004.
- “Factors Affecting Absenteeism in Electrical Construction,” by Author(s) name withheld, 2004.
- “Private-Finance-Initiative (PFI) in Japan: Challenges and Opportunities” by Author(s) name withheld, 2003.
- “Innovative Contracting Practices and Their Impact on Interstate Work Zone Safety” by Author(s) name withheld, 2003.

- “A Flexible Model for the Time-Cost Trade-off Problem” by Author(s) name withheld, 2002.
- “Resource-based Risk Analysis Model” by Author(s) name withheld, 2002.
- “Discussion on Activity Floats in Activity-on-arrow Networks” by Author(s) name withheld, American Society of Civil Engineers, 2001.
- “Time Prediction Model for Highway Construction in Thailand” by Author(s) name withheld, 2001.
- “Warranting the Quality of Steel Bridge Coatings” by Author(s) name withheld, 2000.
- “Improving Design Coordination for Building Projects Part II: Information Model” by Author(s) name withheld, 2000.
- “Improving Design Coordination for Building Projects Part I: Information Model” by Author(s) name withheld, 2000.
- “Teleoperation for Construction Equipment”, 1997.

Journal of the Transportation Research Board, Transportation Research Board (TRB), 42 papers reviewed

- “How External Stakeholders Influence the Project: The Portuguese High Speed Rail Network” by Authors’ names withheld, 2014
- “Research of Construction Timing for Airport Rail Transit Projects” by Authors’ names withheld, 2014
- “Optimization of Precast Production Scheduling for High Speed Rail Track Slab” by Authors’ names withheld, 2014
- “Survey Study of Pavement Warranty Programs in North America” by Author(s) name withheld, 2013
- “A Project Delivery Selection Matrix for Highway Design and Construction” by Author(s) name withheld, 2012
- “Simulation-based Deterministic and Probabilistic 4D Modeling for Planning and Scheduling of Elevated Urban Highway Reconstruction Projects” by Author(s) name withheld, 2012
- “How Visualization Technology can Help Improve Transparency of DOT Design and Construction Projects” by Author(s) name withheld, 2012
- “Interdependency and Uncertainty-Based Modeling for Contractor Selection in Highway Projects” by Author(s) name withheld, 2011
- “Enhancement of Life-Cycle Cost Analysis Tool: *RealCost* California Customization” by Author(s) names withheld, 2011
- “On the Use of A+B and I/D Mechanisms in Transportation Construction” by Author(s) names withheld, 2010

- “Utilization of Bluetooth technology to Assess Worker Proximity to Construction Health Hazards” by Author(s) names withheld, 2010
- “Estimating Work Zone User Costs Involving Commuter Rail Interruption in a Spreadsheet Environment” Author(s) names withheld, 2010
- “Effects of Cost reduction Methods in Highway Construction” by Author(s) names withheld, 2009
- “Determination of On-site Construction Labor Productivity Using Artificial Neural Networks” By Author(s) names withheld, 2009
- “Benefits of 3D/4D CAD Model Applications for Constructability Review in Transportation Projects” by Author(s) names withheld, 2009
- “Emergency reconstruction of Critical Transportation Infrastructure” by Author(s) names withheld, 2008
- “Faster, Less Traffic-disruptive Construction Adopted in Three Heavily-Trafficked Highway Rehabilitation” by Author(s) name withheld, 2007
- “Ultra-Wideband for Automated Real-time Three-dimensional Location Sensing for Machine, Material, and Workforce Positioning and Tracking” by Author(s) name withheld, 2007
- “Frequency of Change Orders in Highway Construction Contracts: An Assessment of Alternate Count-Data Modeling Methods” by Author(s) name withheld, 2007
- “Alternative Payment and Progress Reporting Methods,” by Author(s) name withheld, 2006
- “A Framework Model for Determining Incentive / Disincentive Amounts,” by Author(s) name withheld, 2006
- “Implementing Linear Scheduling method for Schedule Compression Analysis, by Author(s) name withheld, 2006
- “Evaluation of Asphalt Paving Operations on Interstate-74 Using Discrete Event Simulation,” by Author(s) name withheld, 2006
- “Utilization of Radio-frequency Identification Tags (RFID) for Transportation Infrastructure Management: Tracking Engineered-to-Order Elements and Materials Through Their Life Cycles,” Author(s) names withheld, 2006
- “Construction Durations and Contract Time Setting of Highway Projects,” by Author(s) names withheld, 2005.
- “Production Rates of Highway Construction in Indiana,” by Author(s) names withheld, 2005.
- “Simulation Analysis to Reduce Asphalt Paving Process Duration,” by Author(s) names withheld, 2004.
- “Fiber Optic-based Strain Sensor for Asphalt Pavement,” by Author(s) names withheld, 2004.

- “Dynamic Construction Site Layout Using Ant Colony Optimization,” by Author(s) names withheld, 2004.
- “Deployment of Wireless, Mobile Detection and Surveillance for Data Intensive Applications,” by Author(s) names withheld, 2003.
- “A Statewide Lessons Learned System for the Kentucky Transportation Cabinet,” by Author(s) names withheld, 2003.
- “Design-Build vs. Design-Bid-Build: Comparing Cost and Schedule,” by Author(s) names withheld, 2003.
- “Developing a Decision-making Assist Tool for Nighttime Construction in Highway Projects,” by Author(s) names withheld, 2003.
- “Nighttime Construction Issues Revisited,” by Author(s) names withheld, 2002.
- “Real-time Measurement of the Impact of Pile Driving Vibrations on Adjacent Property,” by Author(s) names withheld, 2002.
- “Project Scheduling Accuracy,” by Author(s) names withheld, 2002
- “A Digital Vegetation Analyzer Tool” by Author(s) names withheld, 2002.
- “Technology of Quality Assurance for New Pavement Thickness, I,” by Author(s) names withheld 2002.
- “Technology for Quality Assurance of New Pavement Thickness, II,” by Author(s) names withheld, 2002.
- “Design Scheme of a Paver Deploying Automated and Robotic-based Techniques,” by Author(s) names withheld, 2000.
- “Developing a New Asphalt Compaction Technology: From Concept to Commercial Realization,” by Author(s) names withheld, 1999.
- “Conceptual Roller-Mountable Asphalt Pavement Quality Indicator Using Dual Balance Microwave Signals,” by Author(s) names withheld, 1998.

Journal of Management in Engineering, American Society of Civil Engineers (ASCE), 8 papers reviewed

- “Synthesis of Performance Measures for Highway Cost Estimating” by Author(s) names withheld, 2012
- “Fundamental Project Quality Management Organizations in Highway Design and Construction,” by Author(s) names withheld, 2012
- “Understanding Flight Time and Organizational Design of Internationalizing A&E Firms: A Conceptual Framework” by N/A, 2010
- “Asset Management Systems in Sewer System Management – A Unified Approach,” by J. Gibbons and N. Attoh-Okine, 2005.

- “Suitability of the Critical Incident Technique (CIT) to Measure the Quality of Construction Coordination” by Author(s) names withheld, 2003.
- “Improving Value Generation in the Design Process of Industrial Projects,” by Author(s) names withheld, 2003.
- “A Regression Model of the Growth Path of Construction Industry” by Author(s) names withheld, 2002.
- “Baseline Determination in Construction Labor Productivity Loss Claims” by Author(s) names withheld, 2002.

Journal of Construction Management and Economics, UK, 15 papers reviewed

- “Adopting Global Virtual Engineering Teams in AEC Projects: A Quantitative Meta-analysis of Innovation Diffusion Studies” Authors N/A 2014
- “A Review of Enabling Factors in Construction Industry Productivity in Australia” Authors N/A 2013
- “A Multi-variate Analysis of Project Delivery Method Selection Risk Factors for Transportation Design and Construction” Authors N/A 2013
- “Assessing Risk in Greek Dam Projects Using AHP and ELECTRE I,” Authors N/A 2012
- “Identifying Design Development Factors in Australian PPP Projects using an AHP Framework,” Authors N/A 2011
- “Influence of Asphalt and Fuel Prices on Highway Asphalt Resurfacing Projects,” Authors N/A, 2010
- “Multi-criteria Decision Support Model for Selecting the Appropriate Construction Management-at-Risk Firm,” Authors N/A, 2008.
- “Real Option Application in PPP/PFI Project Negotiation,” Authors N/A, 2008
- “The Effect of RFI Follow-up Shop Drawing Production Performance in Steel Fabrication,” Authors N/A, 2007
- “A Study of Cultural Capital in the Malaysian Construction Sector,” Authors N/A, 2006.
- “Stakeholder Impact Analysis in Construction Project Management,” Authors N/A, 2006.
- “A Superiority and Inferiority Ranking Model for Contractor selection,” Authors N/A, 2005.
- “A Comparative Study of Just-in-time Management in the RMC Industries of Chongqing and Singapore,” Authors N/A, 2004.
- “A Model for Automated Monitoring of Road Construction,” Authors N/A, 2004.

- “Contract Documentation and Rework in Australian Projects,” Authors N/A, 2003.

International Journal of Pavement Engineering, UK, 1 paper reviewed

- “Evaluation of Percent within Limits Construction Specification Parameters,” Authors N/A, 2004.

Journal of Bridge Engineering, American Society of Civil Engineers (ASCE), 1 paper reviewed

- “Integrated Multiple Element Bridge Management System,” by Author(s) names withheld 2007

Journal of Innovative Project Delivery for Transportation Construction, American Society of Civil Engineers (ASCE), 3 papers reviewed

- “Development of Performance Warranties for Performance-based Road Maintenance Contracts,” by Author(s) names withheld, 2005.
- “Key Implementation Issues and Lessons Learned with design-build Projects,” by Author(s) names withheld, 2005.
- “Incentive / Disincentive Contracting Practices for Transportation Projects,” by Author(s) names withheld, 2005.

Journal of Professional Issues in Engineering Education and Practice, American Society of Civil Engineers (ASCE), 1 paper reviewed

- “An Evaluation of Differing Subsurface Ground Conditions in Construction Contracts,” by Author(s) names withheld, 2006.

Canadian Journal of Civil Engineering, Canadian Society of Civil Engineers (ASCE), 2 papers reviewed

- “Construction Productivity Analysis of Pre-cast and Conventional Cast-in-situ Projects: A Case Study in Malaysia” by Author(s) names withheld, 2013
- “Megaprojects Management: The Case of Brazilian Organizations of Engineering and Construction” by Author(s) names withheld, 2008

International Journal of Construction Education and Research, Associated Schools of Construction (ASC), 1 paper reviewed

- “Pavement Reflective Cracking Control with Coarse-Aggregate Asphalt Mix Interlayer,” Authors N/A, 2008

Journal of Testing and Evaluation, 1 paper reviewed

- “Position Reporting of Data from Intelligent Compaction Rollers” by Author(s) names withheld, 2009

Journal of Civil Engineering, Korean Society of Civil Engineering (KSCE), 2 papers reviewed

- “Validating a Model for the Mediating Effect of Teamwork on the Relationship Between Project manager’s Leadership Style and Project Performance” by Author(s) names withheld, 2011
- “Evaluation of Seal Coating Treatments to Manage Temporary Pavement Paint Markings During Highway Construction,” by Author(s) names withheld, 2009

Journal of Automation in Construction, 2 papers reviewed

- “Multi-criteria Bids and Construction Contractors Assessment in Tender Procedures with Fuzzy AHP Method Application” by Author(s) names withheld, 2009
- “Evaluation of Neural Network and Fuzzy Logic Applications to Delay Problems in Industrial Construction” by Author(s) names withheld, 2007

Journal of Construction Innovation: Information, Process, Management, 2 papers reviewed

- “A More Effective Parking Facility Design Using Concurrent Engineering Approach” , Authors N/A, 2015
- “The Adoption of New Transportation Modes in the Dutch Road Construction Industry”, Authors N/A, 2010

Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, American Society of Civil Engineers (ASCE), 3 papers reviewed

- “Is Agreement Not to Compete Anti-competition?” name(s) withheld, 2015
- “Walkway Slip Safety Assessment”, Author(s) name(s) withheld, 2014
- “Ethical Questions in Construction of Pipe Systems”, Author(s) name(s) withheld, 2011

Reviewer for Other Scholarly Publications (27 papers, 29 Abstracts reviewed):

Proceedings of the International Transportation Construction Management Conference, 5 papers reviewed

- “Program Approach to Project Acceleration,” by Author(s) names withheld, 2010
- “A Computerized System for Selecting Project Delivery Method in Airports” by Author(s) names withheld, 2010

- “An Innovative Approach to Managing Bridge Project Delivery ,” by Author(s) names withheld, 2008
- “Modeling Economic Foreign Exchange Exposure in PPP Infrastructure Projects,” by Author(s) names withheld, 2008
- “Comparison of Government Roles in Solicited and Unsolicited Public Private Partnership (PPP) Projects,” by Author(s) names withheld, 2008

Proceedings of American Society of Civil Engineers CRC Construction Congress, 7 papers reviewed

- “Funding Streams of Design-Build-Finance Public-Private-Partnerships (PPP) Projects in the Public Transportation Sector,” by Author(s) names withheld, 2015
- “Design-Build Mega Bridge Projects in New York and Best Practices in Procurement,” by Author(s) names withheld, 2015
- “Development of Comprehensive Process Flow Diagrams of Industry Practices for Estimating, Controlling and Managing Key Indirect Construction Costs,” by Author(s) names withheld, 2011
- “Constructability State of the Practice Survey,” by Author(s) names withheld, 2004.
- “Predicting Project Outcome, Accrediting to Schedule and Cost Elements Variation in EPC Projects,” by Author(s) names withheld, 2004.
- “Estimating Practices of State Departments of Transportation – On the Right Track or Heading for Disaster?” , by Author(s) names withheld, 2003.
- “Inspection Tasks for Hot Mix Asphalt Overlays,” by Author(s) names withheld, 2000

Proceedings for International Structural Engineering and Construction Conference, (28 Abstracts and 11 papers reviewed)

- 5 Abstracts (for ISEC 8, 2015), 2015
- 23 Abstracts (for ISEC-7, 2013), 2012
- “Perceived risks, obligations and uncertainties: Antecedents of unpaid contractor’s intention to suspend work against non-payment” by Author(s) names withheld, 2015
- “Methodological Framework to improve PPP Projects” by Author(s) names withheld, 2015
- “Accounting for Stakeholder Perceptions in Sustainable retrofits of Existing Buildings Using House of Quality Approach,” by Author(s) names withheld, 2012

- “Assessing Reliability of Private Construction Cost Indices in Today’s Changing World,” by Author(s) names withheld, 2012
- “Adoption of Building Information Modeling as a Project Management Tool,” by Author(s) names withheld, 2012
- “Enhancing Schedule Compression Process Using Evolutionary Optimization Techniques,” by Author(s) names withheld, 2012
- “Biophilic Workplace design: improving construction ergonomics and workers performance through enhanced sustainable and psychosocial value of the worksite,” by Author(s) names withheld, 2012.
- “Facility Management Process for Next Generation Semiconductor Fabrication Factories,” by Author(s) names withheld, 2012.
- “Examination of the Net Benefit from Overlapping Multiple Dependent Activities,” by Author(s) names withheld, 2012.
- “Design Buildings Optimally: A Lifecycle Assessment Approach,” by Author(s) names withheld, 2012.
- “Valuing Flexibility in Infrastructure,” by Author(s) names withheld, 2012.

Proceedings for International Conference for Structures and Building Materials 2013, 2 papers reviewed

- “Optimized Construction Equipment Allocation Method for Highway Construction Projects,” by Author(s) names withheld, 2012.
- “An Automated Progress Tracking System for Industrial Facility Construction Projects” by Author(s) names withheld, 2012.

Proceedings for 2nd Australasia and Southeast Asia Structural Engineering and Construction Conference, (4 Abstracts and 7 papers reviewed)

- 3 Abstracts (for ASEA-SEC-2, 2014), 2013
- 1 Abstract (for ASEA-SEC-2, 2014), 2014
- “Work Related Stress, Restoration and Pursuit of Sustainable motivational Factors in Construction” by Author(s) name withheld, 2014
- “Study of the Causes and Magnitude of Wastage of Materials on Construction Sites in Jordan” by Author(s) name withheld, 2014
- “A New Methodology for Addressing Client Risks in Construction Projects” by Author(s) name withheld, 2014
- “Work Related stress, restoration and Pursuit of Sustainable Motivational Factors in Construction” by Author(s) name withheld, 2014
- “Segment Cracks and Alignment Issues on Tunneling Construction” by Author(s) name withheld, 2014

- “Comparable Ergonomic Assessment of Slab Formwork Systems” by Author(s) name withheld, 2014
- Building Information Modeling Roles in the Malaysian Construction Industry” by Author(s) name withheld, 2014

Book Manuscripts Reviewed (1)

- Author(s) name withheld; *Engineering and Construction Productivity Improvement*, 2012, American Society of Civil Engineers, ASCE Press, Reston, VA

INTERNATIONAL ACTIVITIES

International Committee Memberships (7):

- | | |
|---|------------------|
| 1. Member - Conseil International du Batiment (CIB) Committee on Construction Management, w65 (Brussels, Belgium) | 1998-
Present |
| 2. Member – Global Network for International Construction (Beijing, China) | 2009-Present |
| 3. Member - Technical Committee, 7 th International Structural Engineering and Construction Congress (Honolulu, HI) | 2012-
13 |
| 4. Member - Technical Committee, 2 nd Australasia and Southeast Asia Structural Engineering and Construction Congress (Bangkok, Thailand) | 2013-
14 |
| 5. Member – Planning Committee, 144 th Annual ASCE Meeting/Celebration of 100 th Anniversary of Opening of the Panama Canal (Panama City, Panama) | 2013-14 |
| 6. Member - Technical Committee, 8 th International Structural Engineering and Construction Congress (Melbourne, Australia) | 2014-
15 |
| 7. Member - International Organizing Committee, 1 st International Conference for Sustainable Development and Management (Hong Kong) | 2015-
16 |
| 8. Member - Technical Committee, 1 st European and Mediterranean Structural Engineering and Construction Congress (Istanbul, Turkey) | 2015-16 |

Papers Presented at International Conferences (20):

1. 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

2. 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
3. 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
4. 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
5. 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
6. 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
7. 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
8. 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
9. 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
10. 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
11. Minchin, R.E.; Thurn, S.B.(g) ; Ellis, R.D.; “The Move to Nighttime Construction – How are U.S. Highway Agencies Coping?” Conseil International du Batiment (cib) World Building Congress, The Lowry, Salford Quays, United Kingdom, 2010

12. Minchin, R.E.; Tuell, S.(g) ; Mogge, J.W(g) .; “Managing Workers’ Compensation for Contractors– A Synthesis” Conseil International du Batiment (cib) World Building Congress, The Lowry, Salford Quays, United Kingdom, 2010
13. Minchin, R.E.; Baciak, J.; Haghghat, A.; “Active Interrogation Techniques for Non- destructive Investigation of Historic Structures”; Association for Preservation Technology International; Montreal, Quebec, Canada, 2008
14. 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
15. Ahn, J.Y.(g) ; Minchin, R.E.; Herbsman, Z.; “Documenting the Real Causes for Delay in Highway Construction Projects,” Conseil International du Batiment, Helsinki, Finland, 2005
16. El-Mashaleh, M.(g) ; Minchin, R.E.; O’Brien, W. J.; “Benchmarking Construction Firm Performance,” Conseil International du Batiment, Helsinki, Finland, 2005
17. Minchin, R.E.; Ellis, R.D.; Thakkar, K.(g) ; “CM-at-Risk Delivery System and the Miami Intermodal Center,” Conseil International du Batiment, Helsinki, Finland, 2005
18. Campo, M(g) .; Minchin, R.E.; Glagola, C.R.; Thakkar, K.(g) ; “Managing Preliminary Estimates in a Changing Economy,” Conseil International du Batiment, Helsinki, Finland, 2005
19. Minchin, R.E.; Swanson, D.C.; Thomas, H.R.; “Computers in Intelligent Compaction”; International Conference on Computers in Civil Engineering, Cancun, Mexico, 2005
20. Minchin, R.E.; Thomas, H.R.; “Measuring Asphalt Density Through Compactor Vibratory Responses,” 14th International Symposium of Automation and Robotics in Construction, Pittsburgh, PA, 1997

Papers Presented at International Conferences by others (4)

1. 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
2. Choi, J.(g) ; Minchin, R.E.; Lee, S.; “Stochastic Simulation Model For Estimating Construction Time Durations”; 5th International Conference on Ubiquitous Information Technologies & Applications (CUTE 2010), Sanya, Hainan, China, 2010
3. 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

4. Smith, G.R. and Minchin, R.E.; “Contractor Qualification Based on Quality,” Annual Meeting of Canadian Society of Civil Engineers Annual Meeting, Calgary, Alberta, 1999

Invited International Presentations without Paper (6)

1. “Construction Supply Chain Integrity: Mitigating the Counterfeit Threat”; 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand; 2014 (**Keynote Address**)
2. “The Steel Market and Counterfeiting: Impacts on the Economy,” The Steel Market and Counterfeiting, Cate’ Note’ -Nord, Sept Iles, Quebec, Canada; 2014 (**Keynote Address**)
3. “Product Integrity Concerns from Low-cost Sourcing Countries,” National Aeronautics and Space Administration (NASA), Kennedy Space Center, Cape Canaveral FL, with worldwide satellite hookup to nine remote locations; 2011 (**Only Presenter**)
4. “Current Trends in the Use of Delivery Systems in the U.S.”; National Faculty – Industry Workshop; Beijing, China; 2009 (**Keynote Address**)
5. “Product Integrity Concerns in Low-Quality Source Countries”; Global Network for International Construction; Beijing, China, 2009
6. “The Use of CM-at-Risk in Transportation Construction in the U.S.”; Faculty and PhD Student Research Workshop; Hong Kong; 2009

Significance of International Work:

1. Delivered **Keynote Address** at the first Steel Market and Counterfeiting Conference, organized by Cate’ Note’ -Nord, Sept Iles, Quebec, Canada; 2014
2. Research into counterfeit materials and products in the supply chains of construction projects was landmark research into this international problem. The reports and papers that came from the research represent the foundation for all future research on the subject and remain the best resources from academia for those hoping to eliminate those products from their supply chains or mitigate their effect. Dr. Minchin is in demand to share his knowledge on the subject all over the world.
3. Activities earned the University of Florida membership in the Global Network for International Construction, the top International construction organization headquartered in Asia. UF is listed as one of only five U.S. member universities, (Stanford, California-Berkeley, Purdue, Iowa State), 2009
4. Delivered **Keynote Address** (one of two) at the Annual Faculty-Industry Workshop at Tsinghua University; Beijing, China, 2009
5. One of 16 **delegates** from eight nations invited to discuss international construction research collaboration with the Vice President and Provost of Tsinghua University, Beijing, China, 2009

6. Awarded first research grant that involved an international university by the Construction Industry Institute (CII). Also, the first research project that involved data gathering from outside the United States, 2008
7. **Best-Paper** Award among 218 papers presented at the Conseil International du Batiment (cib) annual meeting in Helsinki, Finland, 2005

SERVICE TO SCHOOLS

- Lecturer, “Step Up,” sponsored by the UF College of Engineering. Summer program for promising middle school students proficient in math and science, 2006
- Lecturer, “Eye on Engineering,” sponsored by the UF College of Engineering Summer program for promising high school students proficient in math and science, 2006

MEMBERSHIP AND ACTIVITIES IN THE PROFESSION

MEMBERSHIPS

International

Organization	Committee	Dates
Counsel International du Batiment (CIB)	Committee on Construction Management (w65)	07/01/97 to present
Global Network for International Construction (GloNIC)	N/A	01/14/09 to present

National

Organization	Committee	Dates
American Society of Civil Engineers (ASCE)	Committee on Construction Inspection and Quality Control (Chair 10/21/06 - present)	1996 - present
TRB (National Academy of Science)	Committee on Construction Equipment	1996 - 2003
TRB	Committee on Emerging Technology for Design and Construction (AFH30)	2001 –2011

ASCE	Construction Research Council	2001 - present
TRB	Committee on Construction Management (AFH10)	2002 - 2013
Federal Highway Administration (FHWA)	Construction Management Expert Technical Group (ETG)	2008 - present
Construction Industry Institute	Academic Committee	2010 – present
Society of Automotive Engineers (SAE)	G-21; Counterfeit Materiel Committee	2014 - present

State

- ASCE, Florida Chapter 2001 - Present

Local

- ASCE, Gainesville Chapter 2001 - Present

ACTIVITIES IN THE PROFESSION

International

- **Outstanding Reviewer** for Construction Innovation: Information, Process, Management in the Emerald Literati Network 2015 Awards for Excellence; Emerald Group Publishing Limited, Bingley, United Kingdom, 2015
- **Technical Committee**, Europe - Mediterranean Structural Engineering and Construction Conference No. 1, Istanbul, Turkey, member 2015/16
- **International Organizing Committee**, First International Conference for Sustainable Development and Management, Hong Kong, member 2015
- **Technical Committee**, International Structural Engineering and Construction Conference No. 8, Sydney, Australia, member 2014/15
- **Keynote Address**, “Construction Supply Chain Integrity: Mitigating the Counterfeit Threat”; 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand, 2014
- **Keynote Address**, (Invited) “Counterfeit Product Concerns in

- Contemporary Construction Supply Chains”; Celebration of the 100th anniversary of the original opening and the re-opening of the Panama Canal and American Society of Civil Engineers 144th Annual Meeting; Panama City, Panama, 2014
- **Keynote Address**, first Steel Market and Counterfeiting Conference, organized by Cate’ Note’-Nord, Sept Iles, Quebec, Canada, 2014
 - **Technical Committee** , Australasia and Southeast Asia Structural Engineering and Construction Conference No. 2, Bangkok, Thailand, member 2014
 - **Program Committee**, American Society of Civil Engineers 144th Annual Conference; Panama City, Panama 2013/14
 - **Authored** only chapter written by an author from North America, “Project Delivery Systems and Innovation: The Case for US Road Building in the US?,” for book entitled *Construction Innovation* Blackwell Publishing, Ltd WILEY, Oxford, UK; 2013
 - **Technical Committee** , International Structural Engineering and Construction Conference No. 7, Honolulu, HI, member 2012/13
 - Certified, Disputes Review Board, Chair 2009
 - **Keynote Address**; Annual Faculty-Industry Workshop at Tsinghua University; Beijing, China 2009
 - Certified, Disputes Review Board, Member 2007

National

- **Coordinator and Facilitator**, Workshop entitled “Successful Construction Acceleration through Fast-Track Delivery Systems,” Transportation Research Board, Washington, DC 01/14
- **Coordinator and Co-facilitator**, Workshop entitled “Design Management Process Framework for Design-Build and Construction Manager/General Contractor Delivery,” Transportation Research Board, Washington, DC 06/13
- **Coordinator and Facilitator**, Workshop entitled “Successful Construction Acceleration through Fast-Track Delivery Systems,” Transportation Research Board, Washington, DC 01/13
- Certified, Assessor of Underground Pipes, NASSCO # U13919 01/12
- **Chair** - ASCE Committee on Construction Inspection and Quality Control 01/10 - Present
- **Assistant Specialty Editor - Construction Materials and Methods**, ASCE Journal of Construction Engineering 05/07 – 11/14

and Management

- ExCEED Teaching Workshop (sponsored by ASCE) (Fellowship awardee), West Point, NY 06/05
- National Workshop on Intelligent Compaction (sponsored by FHWA) (Delegate - invitation only), Auburn, AL 10/04
- National Workshop on Future Sensing Systems Needs, Technologies, and Partnerships (sponsored by NSF) (Delegate – invitation only), Tahoe City, CA 09/02
- Technical Advisory Board, ASCE Journal of Innovative Construction Contracting Methods in Transportation Construction, 2004-06
- Unsolicited Panel for Information Technology and Infrastructure, National Science Foundation (reviewer for grants) 2002
- NCHRP Synthesis 282, *Project Management Information Systems*, Transportation Research Board 2000

State

- Florida, Registered Professional Engineer P.E. #38739 06/18/88

HONORS

International

- **Outstanding Reviewer** for *Construction Innovation: Information, Process, Management* in the Emerald Literati Network 2015 Awards for Excellence; Emerald Group Publishing Limited, Bingley, United Kingdom, 2015
- **Keynote Address**; “Construction Supply Chain Integrity: Mitigating the Counterfeit Threat”; 2nd International Structural Engineering and Construction Australasia and Southeast Asia Conference, Bangkok, Thailand, 2014.
- **Keynote Address**, (Invited) “Counterfeit Product Concerns in Contemporary Construction Supply Chains”; Celebration of the 100th anniversary of the original opening and the re-opening of the Panama Canal and American Society of Civil Engineers 144th Annual Meeting; Panama City, Panama, 2014.
- **Keynote Address**, “The Steel Market and Counterfeiting: Impacts on the Economy”; First Steel Market and Counterfeiting Conference, organized by Cate’ Note’-Nord, Sept Iles, Quebec, Canada, 2014.
- **Keynote Address**, “Current Trends in the Use of Delivery Systems in the U.S.”; National Faculty – Industry Workshop; Beijing, China, 2009.
- **Best Paper Award**. Paper, entitled “CM-at-Risk Delivery System and The Miami Intermodal Center” was adjudged best paper among the 218 papers

presented at the Conseil International du Batiment (cib) annual meeting in Helsinki, Finland, 2005.

National

- **U.S. Department of Justice, Certificate of Appreciation** for address to the D.C. Counterfeit Microelectronics Working Group entitled “Sino-American Perceptions of Counterfeiting in the Construction Industry,” Washington, DC, 2013
- **Feature Article**, “Buyer Beware”, Based on research project “Product Integrity Concerns in Low-cost Sourcing Countries,” Explore Magazine, University of Florida, Spring Edition, 2012
- **Video Wall Exhibit**, Florida Museum of Natural History, documenting the research project “Product Integrity Concerns in Low-cost Sourcing Countries,” 2011
- **Rinker Professorship**. Named Rinker Professor of Construction, 2011 - present
- **Holland Professorship**. Named Holland Professor of Construction, 2010
- **Cover Story**, “Hot Commodities,” featuring research project for which Dr. Minchin was Principal Investigator. Engineering News Record, October 18 edition, 2010.
- **ASCE ExCEed Teaching Fellowship**, 2005.
- **Merrill - Lynch Innovative Grants Competition, National Runner-up** - Judged one of ten most marketable innovations in nationwide competition of all American university doctoral dissertation topics over three-year period. Awarded for “Asphalt Compaction Quality Control From Compactor Vibration Analysis,” 1999
- **Navy Achievement Medal**, Leadership of Construction Detachment, 1992.

State

- **Florida Blue Key. Florida’s top leadership fraternity**. Tapped for lifetime of service and leadership, 2014. Incoming class included Dr. Minchin and then-sitting Governor Rick Scott.
- **Value Engineering Stewardship Award**, Florida DOT, 1996. Chaired Value Engineering team that saved the DOT \$3million.

FURTHER INFORMATION

Papers Submitted to Refereed Journals for Publication

1. **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,” **Conditional Accepted** for publication to ASCE Journal of Legal Affairs and Disputes Resolution in Engineering and Construction; American Society of Civil Engineers, Reston, VA; March, 2015; Revised and re-submitted December 26, 2015

2. **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”; **Submitted** for publication to ASCE Journal of Legal Affairs and Disputes Resolution in Engineering and Construction; American Society of Civil Engineers, Reston, VA; June 2, 2015
3. Zhang, Y.; **Minchin, R.E.**; Ptschelinzew, L.; “Preliminary Cost Estimation of Resurfacing Projects Using Penalized Regression: The Lasso Method” **Submitted** for publication to Journal of the Transportation Research Board (TRB Record), Transportation Research Board, Washington, DC; July 26, 2015

Papers Submitted to Refereed Proceedings for Publication

4. **Minchin, R.E.**; Close, S.M. (g); Flood, I.; “Public Perceptions of the Construction Industry in Florida”; **Submitted** for publication to the International Structural Engineering and Construction Europe and Mediterranean Conference, Istanbul, Turkey, 2016. Submitted December 24, 2015.
5. Hancock, G.N. (g); **Minchin, R.E.**; “Use of the Delphi Method to Track and Analyze Incentives to Highway Construction Workers in the US”; **Submitted** for publication to the International Structural Engineering and Construction Europe and Mediterranean Conference, Istanbul, Turkey, 2016. Submitted December 24, 2015.
6. Zhang, Y.(g); **Minchin, R.E.**; “Neural Network Model for Parametric Cost Estimation of Resurfacing Projects”; Construction Research Congress; San Juan, Puerto Rico 2016. **Accepted** for publication, December 28, 2015.

Book Chapters Submitted for Publication

7. Migliaccio, G.C.; **Minchin, R.E.**; Design Management of Infrastructure Projects, “A Comparative Case Study Analysis of Design-Build and Construction manager / General Contractor Projects in the US”; **Conditional Accepted** for publication in the book *New Forms of Procurement: Public Private Partnerships and Relational Contracting in the 21st Century* Routledge/Taylor and Francis; Editors Jefferies M.C. and Rowlinson, S. , December, 2015.

Magazine Articles Submitted for Publication

8. **Minchin, R.E.**; Migliaccio, G.C.; “Design Management Practices for Transportation Construction Projects Using Design-Build and Construction Manager / General Contractor Project Delivery”; **Submitted** for publication to Transportation Research News; Transportation Research Board, Washington, DC; December 29, 2015

Major Research Conducted Prior to Coming to UF

Title	Role*	Sponsor	Total Budget	Effective Dates	
				From	To
Asphalt Density Measurement from Compactor Vibratory Responses, Phase I	Co-PI	Caterpillar Corporation	\$18,500	07/01	09/01
Researching Methods of Delay Reduction for a Major Urban Interstate Project	PI	Iowa Department of Transportation	161,000	10/00	09/01
Planning A Large, Urban Interstate Project	Co-PI	Iowa Department of Transportation	100,000	10/99	09/00
Quality-Based Performance Rating of Contractors for Prequalification and Bidding Purposes	PI	National Cooperative Highway Research Program	200,000	04/97	07/00
Density Measurement from Compactor Vibratory Responses, Phase I and Phase II	Co-PI	Ingersoll-Rand Inc.	166,000	03/97	08/99
Total Prior to UF - \$645,500					

* Role: PI = Principal Investigator

Co-PI = Co-Principal Investigator