

1. Mullins, G., Winters, D, and Dapp, S. (2008). "Closure to *Predicting End Bearing Capacity of Post Grouted Drilled Shafts in Cohesionless Soils*" ASCE Journal of Geotechnical and GeoEnvironmental Engineering, Accepted.
2. Stokes, M., Mullins, G., Ealy, C., and Winters, D. "Statnamic Damping Coefficient: A Numerical Modeling Approach," Journal of Geotechnical and Geoenvironmental Engineering, Vol. 134, No. 9, pp.1299-1310.
3. Suh, K.S., Sen, R, Mullins, G. and Winters, D. (2008). "Corrosion Monitoring of FRP Repaired Piles in Tidal Waters". *ACI SP-252*, pp. 137-156.
4. Winters, D., Mullins, G., Sen, R., Schrader, A. and Stokes, M. (2008). "Bond Enhancement for FRP Pile Repair in Tidal Waters". ASCE, *Journal of Composites for Construction*, Vol. 12, No. 3, pp. 334-343.
5. Sen, R., Mullins, G. and Shahawy, M. (2008). "FRP Repair and Strengthening of Structurally Deficient Piles". Transportation Research Record, No 2028, Design of Structures, pp. 221-230. *Nominated for Outstanding Paper Award*
6. Sen, R. and Mullins, G. (2007). "Application of FRP for Underwater Pile Repair" (invited). *Composites Part B*, in press (*available online Feb 2 2007*).
7. Meloy, N., Sen, R., Pai, N. and Mullins, G. (2007). "*Roof Damage in New Homes Caused by Hurricane Charley*". ASCE, *Journal of Performance of Constructed Facilities*, Vol. 21, Mar/April, No 2, pp. 1-11.
8. Suh, K., Mullins, G., Sen, R. and Winters, D (2007). "Effectiveness of FRP in Reducing Corrosion in a Marine Environment". *ACI Structural Journal*, Vol. 104, No. 1, 76-83.
9. Kranc, S.C. and Mullins, G. (2007). "Inverse Method for the Detection of Voids in Drilled Shaft Concrete Piles from Longitudinal Temperature Scane," Inverse Problems Design and Optimization Symposium, Miami, FL, April 16-18, 2007.
10. Johnson, K. and Mullins, G. (2007). "Concrete Temperature Control via Voiding Drilled Shafts." *GeoDenver 2007, ASCE Geo-Institute Annual Conference*, Denver, Colorado, February 19, 2007.
11. Sen, R. and Mullins, G. (2007). "Further Developments in Underwater FRP Pile Repair". Proceedings, *COMPOSITES & POLYCON 2007, American Composites Manufacturers Association, Educational Proceedings CDROM*, 5 pages.
12. Sen, R. and Mullins, G. (2007). "New Developments in Underwater Pile Repair Using Fiber Reinforced Polymers". Proceedings, 5<sup>th</sup> International Conference on Current and Future Trends in Bridge Design, Construction and Maintenance, Beijing, China, 234-241.

13. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2007). "Performance of FRP in Reducing Corrosion in Prestressed Elements". Proceedings of the 17<sup>th</sup> International Offshore and Polar Engineering Conference, Lisbon, Portugal, July 1-6, Vol. 4, pp. 3504-3507.
14. Suh, K.S., Mullins, G. Sen, R. and Winters, D. (2007). "Corrosion Monitoring of FRP Wrapped Piles", Proceedings, Third International Conference on Durability of Fibre Reinforced Polymer Composites for Construction, Quebec City, Canada, pp. 407-414.
15. Sen, R. and Mullins, G. (2007). "Advances in Underwater Pile Repair Using FRP", 3<sup>rd</sup> COBRAE Conference, Benefits of Composites in Civil Engineering, University of Stuttgart, March 28-30, Paper 19B, 10 pages.
16. Sen, R. and Mullins, G. (2007). "Developments in Underwater FRP Repair of Corroding Piles", Second International Conference on Recent Advances in Composite Materials, Bakht Symposium, New Delhi, India, Feb 20-23, 8 pages.
17. Mullins, G., Winters, D., and Johnson, K. (2007) Thermal Integrity Testing. Draft Report Submitted to FDOT State Materials Office, December. 214 pp.
18. Stokes, M. and Mullins, G. (2007) "Statnamic Damping Evaluation" *Proceedings of the Rapid Load Test Seminar, Delft, The Netherlands.*
19. Stokes, M. and Mullins, G. "Concrete Stress Determination in Rapid Load Tests," *Proceedings of the Rapid Load Test Seminar, Delft, The Netherlands.*
20. Mullins, G., Winters, D., and Dapp, S. (2006). "Predicting End Bearing Capacity of Post Grouted Drilled Shafts in Cohesionless Soils" ASCE Journal of Geotechnical and GeoEnvironmental Engineering, Vol. 132, No. 4. pp. 478-487, April..
21. Mullins, G., Sen, R., Suh, K. and Winters, D. (2006). "A Demonstration of Underwater FRP Repair" *Concrete International*, Vol. 28, No. 1, pp1-4.
22. Sen, R. and Mullins, G. "Application of FRP for Underwater Pile Repair" (invited). Composites Part B), accepted
23. Meloy, N., Sen, R., Pai, N. and Mullins, G. "Roof Damage in New Homes Caused by Hurricane Charley". ASCE, *Journal of Performance of Constructed Facilities*, accepted
24. Stokes, M. and Mullins, G. "Statnamic Damping Coefficient: A Numerical Modeling Approach" - ASCE Journal of Geotechnical and Geoenvironmental Engineering.
25. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2006). "Underwater FRP Repair

- of Corroded Piles”. *Proceedings, Structural Faults and Repair - 2006, 11th International Conference and Exhibition*, Edinburgh, UK, CDROM, Session: Corrosion and Repair, 7 pages.
26. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2006). “Repair of Reinforced Piles Using FRP”. *Proceedings 2006 Concrete Bridge Conference*, Reno, NV. CDROM Session 13, 1-17.
  27. Johnson, K. and Mullins, G. “Concrete Temperature Control via Voiding Drilled Shafts.” *GeoDenver 2007, ASCE Geo-Institute Annual Conference*, Denver, Colorado, February 19, 2007. accepted
  28. Sen, R. and Mullins, G. “Developments in Underwater FRP Repair of Corroding Piles”, *Second International Conference on Recent Advances in Composite Materials*, Bakht Symposium, New Delhi, India, accepted..
  29. Sen, R. and Mullins, G. (2007). “Developments in Underwater FRP Repair of Corroding Piles” (invited). *ICRACM Bakht Symposium*, New Delhi, India
  30. Sen, R. and Mullins, G. (2006). *Corrosion Monitoring of FRP Wrapped Piles*. Presentation at the ASNT 15<sup>th</sup> Annual Research Symposium, Orlando, FL March 15, 2006.
  31. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2006). “Underwater FRP Repair of Corroded Piles”. *Structural Faults + Repair - 2006*, Edinburgh, Scotland. Presented by R. Sen, June 13.
  32. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2006). “Repair of Reinforced Piles Using FRP”. *2006 Concrete Bridge Conference*, Reno, NV. Presented by R. Sen, May 9.
  33. Mullins, G., Sen, R., Winters, D., Schrader, A. (2006) *Innovative Pile Repair*. Submitted to Hillsborough County, Public Works Department, October, 40 pp.
  34. Mullins, G., Winters, D., and Johnson, K. (2006) *Thermal Integrity Testing*. Draft Report Submitted to FDOT State Materials Office, December. 214 pp.
  35. Sen, R., Mullins, G., Suh, K. S. and Winters, D. (2005). “FRP Application in Underwater Repair of Corroded Piles”. *ACI SP 230*, Vol. 2, pp. 1139-56.
  36. Mullins, G., Sen, R., Suh, K and Winters, D. (2005). “Underwater FRP Repair of Prestressed Piles in the Allen Creek Bridge in the City of Clearwater”. *ASCE, Journal of Composites for Construction*, Vol. 9, Issue 2, pp. 136-146.
  37. Rollins, K., Lane, J., Dibb, E., Ashford, S., and Mullins, A., (2005). “Pore Pressure Measurement in Blast-Induced Liquefaction Experiments,” *Journal of the Transportation Research Board*, No. 1936, *Soil Mechanics 2005*, pp. 210-220.

38. Mullins, G., Sen, R., Suh, K. and Winters, D. "A Demonstration of Underwater FRP Repair" *Concrete International*
39. Sen, R., Mullins, G., Suh, K. S. and Winters, D. "FRP Application in Underwater Repair of Corroded Piles", *ACI SP (Published in 2005)*.
40. Meloy, N., Sen, R., Pai, N. and Mullins, G. "Roof Damage in New Homes Caused by Hurricane Charley". *ASCE, Journal of Constructed Facilities*
41. Deese, G., and Mullins, G. (2005). "Construction-Related Effects on Drilled Shaft Performance," *Geo3 Industry in Action: GEO Construction Quality Assurance/Quality Control Conference Proceedings*. Editors DA Bruce and A.W. Cadden, Dallas, Texas, pp 144 – 155.
42. Alvi, A., Gualtero, I., Pai, N., Sen, R. and Mullins, G. (2005). "Role of Construction in the Poor Performance of Deck Panel Bridges". *CDROM Proceedings of the Third International Conference on Construction in the 21<sup>st</sup> Century (CITC III)*. Advancing Engineering Management and Technology, Athens, Greece, pp 890-896.
43. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2005). "Long Term Corrosion Monitoring of Underwater FRP Wrapped Prestressed Piles". *Proceedings of the Third European Conference on Structural Control (Editors R. Flesch, H. Irschik and M. Krommer)*, Vienna, Austria, TU Wien, Vol II, pp. S5-59-S5-62.
44. Sen, R, Mullins, G., Suh, K. and Winters, D. "Repair of Reinforced Concrete Piles Using FRP", *Concrete Bridge Conference 2006*, Reno Nevada
45. Suh, K. S., Mullins, G., Sen, R., and Winters, D. (2005). *Use of FRP for Corrosion Mitigation Applications in a Marine Environment. Final Report submitted to Florida / US Department of Transportation, Tallahassee, FL Oct., 406 pp.*
46. Meloy, N., Pai, N., Sen, R. and Mullins, G. (2005). *Impact of Hurricane Charley on Residential and Commercial Construction. Final Report prepared for the National Science Foundation, Award CMS-0456569, June, 432 pp.*
47. Gualtero, I., Pai, N., Sen, R., Alvi, A., Desmukh, G., Mullins, G. and Ayoub, A. (2005). *Replacement Prioritization of Precast Deck Panel Bridges. Final Report submitted to Florida / US Department of Transportation, Tallahassee, FL March, 303 pp.*
48. Chapter entitled "Drilled Shafts," written for the *Foundation Engineering Handbook*, CRC Press, Boca Raton, FL, (in press).
49. Chapter entitled "Insitu Testing," written for the *Foundation Engineering*

- Handbook*, CRC Press, Boca Raton, FL (in press).
50. Garbin, E. and Mullins, G. (2004). "The Statnamic Analysis Workbook: A Tool for Automated Statnamic Data Analysis and Storage" *Journal of Engineering Technology*, ASEE, Washington, D.C., Fall, pp. 18-24.
  51. Mullins, G., Sen, R., Suh, K., and Winters, D. (2004) "Underwater FRP Repair of the Friendship Trails Bridge" *Concrete International*, American Concrete Institute, Farmington Hills, MI, Accepted for Publication.
  52. Mullins, G., Sen, R., Suh, K S and Winters, D. (2004) "Underwater FRP Repair of Prestressed Piles in the Allen Creek Bridge in the City of Clearwater". *Journal of Composites for Construction*, ASCE, Reston, VA, Accepted for Publication.
  53. Bermingham, P., Mullins, G., and Stokes, M. (2004). "Mobilization of Capacity During Rapid Axial Load Testing," *Proceedings of The Seventh International Conference on the Application of Stresswave Theory to Piles 2004*, Geotechnical Engineering Technical Division, Institute of Engineers, Malaysia, August 9 – 11, pp. 125-132.
  54. Sen, R. and Mullins, G. (2004). "Developments in Underwater FRP Repair". *Proceedings of ICFRC International Conference on Fibre Composites, High Performance Concretes and Smart Materials*, 8-10, January, Chennai, India, pp. 387-395.
  55. Sen, R., Mullins, G., Suh, K.S. and Winters, D. (2004). Long Term Corrosion Monitoring of Underwater FRP Wrapped Prestressed Piles. 3<sup>rd</sup> European Conference on Structural Control, Vienna, Austria (in press).
  56. Mullins, G., et al. (2004). "Factors Affecting Anomaly Formation in Drilled Shafts," Final Report submitted to FDOT, August, 382 pgs. *Draft Final in Review*
  57. Mullins, G. and Winters, D. (2004). "The Effect of Post Grouting Drilled Shaft Tips" Final Report submitted to Florida Department of Transportation, April, 718 pgs, two volumes. *Final*
  58. Mullins, G., Sen, R., Suh, K.S. and Winters, D. (2004). Underwater FRP Pile Wrap of the Friendship Trails Bridge. submitted to Hillsborough County, FL, June, pp. 32. *Final*
  59. Suh, K.S., Mullins, G., Sen, R. and Winters, D. (2004). Use of FRP for Corrosion Strengthening Applications in a Marine Environment. submitted to Florida and US Department of Transportation, Tallahassee, FL, April, pp. 296. *Interim Final*
  60. Gualtero, I, Pai, N. , Sen, R, Alvi, A., Deshmukh, G, Mullins, G. and Ayoub, A. (2004). Replacement Prioritization of Precast Deck Panel Bridges submitted to

Florida and US Department of Transportation, November, pp. 301. *Draft Final in Review*

61. Mullins, G., (2004), "Use and Development of the Segmental Unloading Point Enhanced Statnamic Analysis Workbook (SUPERSAW)", *Proceedings of the First Statnamic Research Symposium*, Delft University, Delft, The Netherlands.
62. Mullins, G., Sen, R., Sosa, R. and Issa, M. (2003). "Full-Scale Testing of Seal Slab / Pile Interface Bond". *SP-211 ACI Large Scale Structural Testing* (Ed. M. Issa and Y.L. Mo). Farmington Hills, MI, pp 315-341.
63. Sen, R., Mullins, G. and Salem, T. (2003). Closure on paper "Durability of E-Glass/Vinylester Reinforcement in Alkaline Solution". *ACI Structural Journal*, Vol 99., No. 2, Mar-April, pp. 265-266.
64. Mullins, G., Lewis, C., and Justason, M., (2002). "Advancements in Statnamic Data Regression Techniques," *Deep Foundations 2002: An International Perspective on Theory, Design, Construction, and Performance*, ASCE Geo Institute, GSP No.116, Vol II, pp. 915-930.
65. Dapp, S., and Mullins, G., (2002). "Pressure-Grouting Drilled Shaft Tips: Full-Scale Research Investigation for Silty and Shelly Sands," *Deep Foundations 2002: An International Perspective on Theory, Design, Construction, and Performance*, ASCE Geo Institute, GSP No.116, Vol. I, pp. 335-350.
66. Mullins, G., Sosa, R., Sen, R., and Issa, M., (2002). "Seal Slab / Steel Pile Interface Bond from Full-Scale Testing," *ACI Structural Journal*, Vol 99, No. 6, pp. 757-763.
67. Sen, R., Mullins, G., and Salem, T., (2002). "Durability of E-Glass/Vinylester Reinforcement in Alkaline Solution," *ACI Structural Journal*, Vol 99, No. 3, pp. 369-375.
68. Mullins, G., Sosa, R., and Sen, R., (2001). "Seal Slab Prestressed Pile Interface Bond from Full-scale Testing," *ACI Structural Journal*, Vol 98, No. 5, pp. 743-751.
69. Fischer, J., Mullins, G., Sen, R., Issa, M. (2001). "Studies on the Use of Powder Acuated Nails in Pile Repair," *Proceedings, ASCE Conference on Construction Materials*, Houston, Texas, October.
70. Sen, R., Shahawy, M., Mullins, G. and Spain, J. (2001). "Effect of Environment on the Integrity of CFRP/Concrete Bond. *Proceedings of the Eleventh International Offshore and Polar Engineering Conference*, Stavanger, Norway, June17-22, 2001, Vol. 4, pp. 222-226.

71. Sen, R., Liby, L., and Mullins, G., (2001). "Strengthening Concrete/Steel Composite Sections using Carbon/Epoxy Laminates," *COMPOSITES Part B: Engineering International Journal*, pp. 309-322.
72. Mullins, G., Dapp, S., and Lai, P., (2000). "Pressure Grouting Drilled Shaft Tips in Sand". *New Technological and Design Developments in Deep Foundations*, Dennis, N. D., et al. (ed.), ASCE, Geo Institute, Vol. 100, pp 1-17.
73. Mullins, Gunaratne, Stinnette, and Thilakasiri, (2000). "Prediction of Dynamic Compaction Pounder Penetration," *Soils and Foundations*, Japanese Geotechnical Society, Vol. 40, No. 5, pp. 91-97.
74. Sen, R., Shahawy, M., Mullins, G., and Spain, J., (1999). "Durability of Carbon Fiber-Reinforced Polymer/Epoxy/Concrete Bond in Marine Environment," *ACI Structural Journal*, Vol. 96, No. 6, pp. 906-914.
75. Mullins, G., Race, R. and Sen, R. (1999). "A New Device for In-Situ Testing of FRP/Concrete Adhesion". Fourth International Symposium, ACI SP-188 (Ed. C. Dolan, S. Rizkalla and A. Nanni), Farmington Hills, MI, pp. 383-391.
76. Mullins, G., Sen, R. and Spain, J. (1998). "Testing of CFRP/Concrete Bond," in "Fiber Composites in Infrastructure (Ed. H. Saadatmanesh and M. Ehsani)", Vol II, University of Arizona, Tucson, pp. 211-218.
77. Paikowski, S., Mullins, G., Ealy, C., Lewis, C., and Hourani, N.M., (1998) "The Behavior of Piles in Clay During Statnamic, Dynamic, and different Static Load Testing Procedures", *Second International Statnamic Seminar*, Tokyo, Japan, October 28-30.
78. Muchard, M., Mullins, G., Robertson, D., and Stanley, B. (1998) "Statnamic and Dynamic Load Testing of an Instrumented Drilled Shaft at an I-35/I-80 Bridge in Des Moines, Iowa", *Second International Statnamic Seminar*, Tokyo, Japan, October 28-30.
79. Mullins, G., Garbin, E., Lewis, C., and Ealy, C. (1998) "Statnamic Testing: University of South Florida Research", *Second International Statnamic Seminar*, Tokyo, Japan, October 28-30.
80. Robertson, D., Muchard, M., Mullins, G., and Brown, D. (1998) "Lateral Statnamic Load Testing: A new method for evaluating lateral load capacity", *Second International Statnamic Seminar*, Tokyo, Japan, October 28-30.
81. Gunaratne, M., Stinnette, P., Mullins, G., Kuo, L., and Echelberger, W. Jr., (1998). "Compressibility Relations for Peat and Organic Soil," *Journal of Testing and Evaluation*, ASCE, Vol. 26, No. 1, pp. 1-9.

82. Mullins, A., Justason, M., Robertson, D., and Knight, W. (1997) "A Comparison of Static and Dynamic Load Tests in Sand: A Case Study of the Bayou Chico Bridge in Pensacola, Florida," Presented to *The North American Deep Foundation Institute*, October 15-17.
83. Thilikasiri, H., Gunaratne, M., Mullins, G., Stinnette, P., and Jory, B., (1996). "Investigation of Impact Stresses Induced in Laboratory Dynamic Compaction of Soft Soils," *International Journal for Numerical and Analytical Methods in Geomechanics*, Vol. 20., pp.753-767.
84. Gunaratne, Ranganath, Thilikasiri, Mullins, Stinnette, and Kuo, (1996). "Study of Pore Pressures Induced in Laboratory Dynamic Consolidation," *Computers and Geotechnics*, Vol 18., No. 2, pp.127-143.
85. Thilakasari, S., Mullins, G., Stinnette, P., and Gunaratne, M., (1996). "Discussion of Impact of Weight Falling Onto the Ground," Paper No. 5957, *ASCE Journal of Geotechnical Engineering*.
86. Thilakasiri, S., Mullins, G., Stinnette, P., Gunaratne, M., and Jory, B., (1996). "Analytical and Experimental Investigation of Dynamic Compaction Induced Stresses." *International Journal of Numerical and Analytical Methods in Geomechanics*, Vol. 20, pp. 753-767.
87. Hartley, A., Mullins, G. and Sen, R. (1996) "Repair of Concrete Masonry Block Walls using Carbon Fiber", *Advanced Composite Materials in Bridges and Structures* (Editor M.El-Badry), Canadian Society of Civil Engineers, Montreal, P.Q. pp. 795-802.
88. Sen, R., Rosas, J., Mullins, G., Liby, L., Sukumar, S. and Spillett, K. (1996) "Field Measurement of Transfer Length" in *Fiber Composites in Infrastructure ICCI'96*, First International Conference on Composites in Infrastructure (Ed. H. Saadatmash & M. Ehsani), Tucson, AZ, pp. 536-547.
89. Engebretson, D., Sen, R., Mullins, G. and Hartley, A., (1996). "Strengthening Concrete Block Walls with Carbon Fiber". *Materials for the New Millennium, Proceedings of the Materials Engineering Conference Volume 2*, ASCE, New York, NY, pp. 1592-1600.
90. Sen, R., Liby, L., Mullins, G. and Spillett, K., (1996). "Strengthening Steel Composite Beams with CFRP Laminates". *Materials for the New Millennium, Proceedings of the Materials Engineering Conference Volume 2*, ASCE, New York, NY, pp. 1601-1607.