

CURRICULUM VITAE

Susan Bogus Halter, PhD, PE
AGC Endowed Chair
Department of Civil Engineering
MSC01 1070
1 University of New Mexico
Albuquerque, NM 87131-0001

Education

Ph.D., Civil Engineering, University of Colorado Boulder, 2004
 Emphasis: Construction Engineering and Management
M.S., Civil and Environmental Engineering, University of Wisconsin-Madison, 1992
 Emphasis: Environmental Engineering
B.S., Civil and Environmental Engineering, University of Wisconsin-Madison, 1989

Academic Experience

2017 - present: Professor, University of New Mexico

2010 –2017: Associate Professor, University of New Mexico

2004 –2010: Assistant Professor, University of New Mexico

Industry Experience

1989-1999: Project Manager/Project Engineer, CH2M HILL

Recognition and Honors

- AGC Endowed Chair, 2016-present
- 2016 Senior Faculty Teaching Award, UNM School of Engineering
- 2013 Harrison Faculty Recognition Award, UNM School of Engineering
- 2012 UNM Sigma Xi Chapter, Young Investigator Award
- 2009 Robert J. Stamm Teaching Excellence Award, UNM Dept of Civil Engr.
- 2008 Junior Faculty Teaching Award, UNM School of Engineering
- 2005 ExCEEEd Teaching Fellow
- Tau Beta Pi, 1986 to present
- Chi Epsilon, 1986 to present

Publications

* Student advised by Susan Bogus Halter

** Post-doc mentored by Susan Bogus Halter

Peer-Reviewed Journal Articles

1. Zhang, Su*, Lippitt, Christopher, **Bogus, Susan M.** (2017) "Pavement Surface Condition Estimation Based on Geospatial Modeling" *Annals of GIS*, doi: 10.1080/19475683.2017.1325404.
2. Zhang, Su*, **Bogus, Susan M.**, Lippitt, Christopher D., and Migliaccio, Giovanni C. (2017) "Estimating Location Adjustment Factors for Conceptual Cost Estimating Based on Nighttime Light Satellite Imagery." *ASCE Journal of Construction Engineering and Management*, 143(1), January 2017, doi: 10.1061/(ASCE)CO.1943-7862.0001216.
3. Zhang, Su *, Lippitt, Christopher D., **Bogus, Susan M.**, and Neville, Paul R.H. (2016) "Characterizing Pavement Surface Distress Conditions with Hyper-Spatial Resolution Natural Color Aerial Photography." *Remote Sensing*, 8, 392, doi: 10.3390/rs8050392.
4. Zhang, Su*, Lippitt, Christopher D., **Bogus, Susan M.**, Loerch, Andrew, and Sturm, Jennie O. (2016) "The Accuracy of Aerial Triangulation Products Automatically Generated from Hyper-spatial Resolution Digital Aerial Photography," *Remote Sensing Letters*, 7:2, 160-169, doi: 10.1080/2150704X.2015.1121299.
5. Valentin, Vanessa and **Bogus, Susan M.** (2015) "Assessing the Link between Public Opinion and Social Sustainability in Building and Infrastructure Projects," *Journal of Green Building*, 10(3), 184-197.
6. Cong, Chen, Zhang, Guohui, Zong, Tian, **Bogus, Susan M.**, and Yang, Yin. (2015) "Hierarchical Bayesian Random Intercept Model-based Cross-level Interaction Decomposition for Truck Driver Injury Severity Investigations," *Accident Analysis & Prevention*, 85 (2015) 186-198.
7. Zhang, Su*, **Bogus, Susan M.**, Lippitt, Christopher D., Neville, Paul R.H., Zhang, Guohui, Chen, Cong, and Valentin, Vanessa. (2015) "Extracting Pavement Surface Distress Conditions Based on High Spatial Resolution Multispectral Digital Aerial Photography," *Photogrammetric Engineering and Remote Sensing*, Sep 2015, 81(9), 709-720.
8. Wu, Qiong, Chen, Feng, Zhang, Guohui, Liu, Xiaoyue Cathy, and **Bogus, Susan M.** (2014) "Mixed Logit Model-based Driver Injury Severity Investigations in Single- and Multi-Vehicle Crashes on Rural Two-lane Highways," *Accident Analysis and Prevention*, 72, 105-115.
9. Chen, Cong, Zhang, Su*, Zhang, Guohui, **Bogus, Susan M.**, and Valentin Vanessa. (2014) "Discovering Temporal and Spatial Patterns and Characteristics of Pavement Distress Condition Data on Major Corridors in New Mexico," *Journal of Transport Geography*, 38, 148-158.

10. Migliaccio, G.C., **Bogus, Susan M.**, and Cordova-Alvidrez, A.A.* (2014) "Continuous Quality Improvement Techniques for Data Collection in Asset Management Systems." *ASCE Journal of Construction Engineering and Management*, Apr 2014, 140(4).
11. Gatti, Umberto C.*, Migliaccio, Giovanni C., **Bogus, Susan M.**, and Schneider Suzanne. (2014) "An exploratory study of the relationship between construction workforce physical strain and task level productivity," *Construction Management and Economics*, 32(6), 548-564.
12. **Bogus, Susan M.**, Migliaccio, G.C., and Jin, R.* (2013) "Study of the Relationship between Procurement Duration and Project Performance in Design-Build Projects: Comparison between Water/Wastewater and Transportation Sectors," *ASCE Journal of Management in Engineering*, 29(4), 382-391.
13. Gatti, Umberto*, Migliaccio, G.C., **Bogus, Susan M.**, Priyadarshini, Shalini, and Scharrer, Amelia.* (2013) "Using Workforce's Physiological Strain Monitoring to Enhance Social Sustainability of Construction," *ASCE Journal of Architectural Engineering*, Sep 2013, 19(3), 179-185.
14. Shane, J.S., **Bogus, S.M.**, and Molenaar, K.R. (2013) "Municipal Water/Wastewater Project Delivery Performance Comparison," *ASCE Journal of Management in Engineering*, 29(3), 251-258.
15. **Bogus, S.M.**, Diekmann, J.E., Molenaar, K.R., Harper, C., Patil, S., and Lee, J.S. (2011) "Simulation of Overlapping Design Activities in Concurrent Engineering." *ASCE Journal of Construction Engineering and Management*, 137(11), 950-957.
16. **Bogus, Susan M.**, Migliaccio, Giovanni C., and Cordova, Arturo A.* (2010) "Assessment of Data Quality for Evaluations of Manual Pavement Distress." *Transportation Research Record: Journal of the Transportation Research Board*, No. 2170, 1-8.
17. Jones, Birk* and **Bogus, Susan M.** (2010) "Decision Process for Energy Efficient Building Retrofits: The Owner's Perspective." *Journal of Green Building*, 5(3), 131-146.
18. Migliaccio, Giovanni C., **Bogus, Susan M.**, and Chen, Ao*. (2010) "Effect of Duration of Design-Build Procurement on Performance of Transportation Projects" *Transportation Research Record: Journal of the Transportation Research Board*, No. 2151, 67-73.
19. **Bogus, Susan M.**, Shane, Jennifer S., and Molenaar, Keith R. (2010) "Contract Payment Provisions and Project Performance: An Analysis of Municipal Water and Wastewater Facilities." *Public Works Management & Policy*. 15(1), 20-31.
20. **Bogus, Susan M.**, Song, Jongchul**, Waggerman, Raymond*, and Lenke, Lary R. (2010) "Rank Correlation Method for Evaluating Manual Pavement Distress Data Variability." *ASCE Journal of Infrastructure Systems*. 16(1), 66-72.
21. Blacud, Nicolas A.*, **Bogus, Susan M.**, Molenaar, Keith R., and Diekmann, James E. (2009) "Sensitivity of Construction Activities Under Design Uncertainty." *ASCE Journal of Construction Engineering and Management*. 135(3), 199-206.

22. **Bogus, Susan M.**, Molenaar, Keith R., and Diekmann, James E. (2006) “Strategies for Overlapping Dependent Design Activities.” *Construction Management and Economics*, 24(7-9), 829-837.
23. **Bogus, Susan M.**, Molenaar, Keith R., and Diekmann, James E. (2005). “A Concurrent Engineering Approach to Reducing Design Delivery Time.” *ASCE Journal of Construction Engineering and Management*, 131(11), 1179-1185.
24. Molenaar, Keith R., **Bogus, Susan M.**, and Priestly, Jenny M. (2004). “Design/Build for Water/Wastewater Facilities: State of the Industry Survey and Three Case Studies.” *ASCE Journal of Management in Engineering*, 20(1), 16-24.

Book Chapters

1. Shane, Jennifer S. and **Bogus, Susan M.** (2012) “Chapter 2 – Benefits and Challenges of Design-Build.” *Design-Build for Water and Wastewater Projects*. American Water Works Association, Denver, CO.
2. **Bogus, Susan M.** and Molenaar, Keith, R. (2012) “Chapter 17 – Options for Evaluating Design-Builder Proposals.” *Design-Build for Water and Wastewater Projects*. American Water Works Association, Denver, CO.

Peer-Reviewed Conference Papers (full paper peer-reviewed)

1. Han, Fei* and **Bogus, Susan M.** (2017) “Defining a Resilience Framework for Project Delivery” *Proceedings of the 2017 CSCE/CRC Construction Specialty Conference*, Vancouver, BC, Canada, May 31 – June 3, 2017.
2. Metro, Kristal*, **Bogus, Susan M.**, and Himmelberger, Heather (2017) “The Impact of Limited Resources on Asset Management and Infrastructure Resilience” *Proceedings of the 2017 CSCE/CRC Construction Specialty Conference*, Vancouver, BC, Canada, May 31 – June 3, 2017.
3. Nickbeen, Parya, Valentin, Vanessa, **Bogus, Susan M.**, and Ballard, Amy (2017) “Using the DACUM Process to Develop an Industry-Directed Construction Education Curriculum” *Proceedings of the 2017 CSCE/CRC Construction Specialty Conference*, Vancouver, BC, Canada, May 31 – June 3, 2017.
4. Garrido Martins, Claudia, Valentin, Vanessa, and **Bogus, Susan M.** (2017) “Risk Assessment in Fast-Track Construction Projects: A conceptual model” *Proceedings of the 2017 CSCE/CRC Construction Specialty Conference*, Vancouver, BC, Canada, May 31 – June 3, 2017.
5. Sanabria, Natalia, Valentin, Vanessa, **Bogus, Susan M.** (2017) “Comparing Neural Networks and Ordered Probit Models for Forecasting Pavement Condition in New Mexico” *Compendium*, 2017 Transportation Research Board Annual Meeting, Washington, D.C., Paper 17-01037, January 2017.
6. Zhang, Su*, **Bogus, Susan M.**, Lippitt, Christopher D. (2016) “Estimating Infrastructure Condition Based on Inferential Geospatial Modeling,” *Proceedings of the 2016 Construction Research Congress*, San Juan, PR, May 31-June 2, 2016.

7. Jafari, Amirhosein, Valentin, Vanessa, and **Bogus, Susan M.** (2016) "Assessment of Social Indicators in Energy Housing Retrofits," *Proceedings of the 2016 Construction Research Congress*, San Juan, PR, May 31-June 2, 2016.
8. Zhang, Su*, Lippitt, Christopher, **Bogus, Susan**, and Zhang, Guohui. (2016) "Quantifying the Impact of Road Lighting Conditions on Nighttime Vehicle Crash Rates Using Nighttime Light Satellite Imagery." *Compendium*, 2016 Transportation Research Board Annual Meeting, Washington, D.C., Paper 16-5949, January 2016.
9. Chen, Cong, Zhang, Guohui, Zong, Tian Z., and **Bogus, Susan**. (2016) "Investigating Truck Driver Injury Severity Using a Hierarchical Bayesian Random Intercept Model with Cross-level Interactions." *Compendium*, 2016 Transportation Research Board Annual Meeting, Washington, D.C., Paper 16-4556, January 2016.
10. Zhang, Su*, **Bogus, Susan M.**, and Lippitt, Christopher D. (2015) "Pavement Surface Permanent Deformation Detection and Assessment Based on Digital Aerial Triangulation," *Proceedings of the 2015 ASCE International Workshop on Computing in Civil Engineering*, Austin, TX, June 21-23, 2015.
11. Zhang, Su*, **Bogus, Susan M.**, and Lippitt, Christopher D. (2015) "Infrastructure Condition Assessment Based on Low-cost Hyper-Spatial Resolution Multispectral Digital Aerial Photography," *Proceedings of the 5th International / 11th Construction Specialty Conference*, Canadian Society for Civil Engineering, Vancouver, British Columbia, June 8-10, 2015.
12. Zhang, Su*, **Bogus, Susan M.** and Lippitt, Christopher D. (2015) "Pavement Distress Condition Assessment Using Aerial Photographs at Differing Spatial Resolutions." *Compendium*, 2015 Transportation Research Board Annual Meeting, Washington, D.C., Paper 15-4949, January 2015.
13. Wu, Qiong, Chen, Feng, Zhang, Guohui, Liu, Xiaoyue, Wang, Hua, and **Bogus, Susan**. (2015) "Analysis of Driver Injury Severities in Single-Vehicle and Multivehicle Crashes on Rural Two-Lane Highway." *Compendium*, 2015 Transportation Research Board Annual Meeting, Washington, D.C., Paper 15-5476, January 2015.
14. Zhang, Su*, and **Bogus, Susan M.** (2014) "Use of Low-Cost Remote Sensing for Infrastructure Management," *Proceedings of the 2014 Construction Research Congress*, Atlanta, GA, May 19-21, 2014, pp. 1299-1308.
15. Sanabria, Natalia, Kalhor, Elmira, Valentin, Vanessa, **Bogus, Susan M.**, and Zhang, Guohui. (2013) "Computational GIS and Agent-Based Model Development for Routing Optimization to Facilitate Pavement Condition Data Collection," *Proceedings of the 2013 ASCE International Workshop on Computing in Civil Engineering*, Los Angeles, CA, June 23-25, 2013, pp. 371-378. (doi: 10.1061/9780784413029.047)
16. Han, Fei* and **Bogus, Susan M.** (2013) "Defining an Agile Construction Management System," *Proceedings of the 2013 Annual Conference of the Canadian Society for Civil Engineering*, Montreal, Ontario, Canada, May 2013.
17. Kalhor, Elmira, Valentin, Vanessa, **Bogus, Susan M.**, Zhang, Guohui, and Sanabria, Natalia. (2013) "Application of an Ordered-Probit model in Infrastructure Asset Management: The

Case of Pavement Condition Assessment,” *Proceedings of the 2013 Annual Conference of the Canadian Society for Civil Engineering*, Montreal, Ontario, Canada, May 2013.

18. Zhang, Su*, **Bogus, Susan**, Neville, Paul R.H., Zhang, Guohui, Chen, Cong, and Valentin, Vanessa. (2013) “Aerial Photograph-based Pavement Surface Distress Detection and Assessment.” *Compendium*, 2013 Transportation Research Board Annual Meeting, Washington, D.C., Paper 13-3156, January 2013.
19. Chen, Cong, Zhang, Su*, Zhang, Guohui, **Bogus, Susan**, and Valentin, Vanessa. (2013) “Analysis of Pavement Surface Distress Condition on Major Corridors in New Mexico.” *Compendium*, 2013 Transportation Research Board Annual Meeting, Washington, D.C., Paper 13-3155, January 2013.
20. Valentin, Vanessa and **Bogus, Susan M.** (2012) “Public Opinion as an Indicator of Social Sustainability of Construction Projects,” *Proceedings of the 2012 International Conference on Sustainable Design and Construction*, Fort Worth, TX, November 2012, pp. 561-568. (doi: 10.1061/9780784412688.067)
21. Gatti, U.C.*, Migliaccio, G.C., **Bogus, S.M.**, and Schneider, S. (2012) “Using Wearable Physiological Status Monitors for Analyzing the Physical Strain-Productivity Relationship for Construction Tasks.” *Proceedings of Computing in Civil Engineering 2012*. Clearwater Beach, FL, June 17-20, 2012, pp. 577-585. (doi:http://dx.doi.org/10.1061/9780784412343.0073)
22. Scharrer, Amelia* and **Bogus, Susan M.** (2011) “The Effect of Partnership Programs on Improving Safety in Construction Companies.” *Proceedings of the CIB W099 Conference 2011*. Washington, DC, August 2011.
23. Forns-Samso, Francisco*, **Bogus, Susan M.**, and Migliaccio, Giovanni C. (2011) “Use of Building Information Modeling in Facilities Management.” *Proceedings of the Annual Conference - Canadian Society for Civil Engineering*, Ottawa, Ontario, Canada, June 2011, v 3, pp. 1815-1824.
24. Gatti, Umberto*, Scharrer, Amelia*, Migliaccio, Giovanni C., and **Bogus, Susan M.** (2011) “Using Workforce’s Physiological Strain Monitoring to Enhance Social Sustainability of Construction” *Proceedings of the ICSDC 2011: Integrating Sustainability Practices in the Construction Industry*, Kansas City, MO, March 2011, pp. 180-186. (doi: http://dx.doi.org/10.1061/41204(426)24)
25. **Bogus, Susan M.**, Migliaccio, Giovanni C., and Cordova, Arturo A.* (2010) “Performance of Manual Condition Surveys Using Inter-Rater Agreement Measurements” *Proceedings of the CIB 2010 World Congress*, The Lowry, Salford Quays, United Kingdom, May 10-13, 2010.
26. Migliaccio, Giovanni C., **Bogus, Susan M.**, and Chen, Ao*. (2010) “Relationship between Design-Build Procurement Duration and Project Success” *Proceedings of the CIB 2010 World Congress*, The Lowry, Salford Quays, United Kingdom, May 10-13, 2010.
27. **Bogus, Susan M.**, Shane, Jennifer S., Molenaar, Keith R. (2010) “Comparison of Water/Wastewater Project Performance by Project Delivery System and Payment Provision”

- Proceedings of the 2010 ASCE Construction Research Congress, Banff, Alberta, Canada, May 2010, pp. 859-868. (doi: 10.1061/41109(373)86)*
28. Phillips, H. Clay*, **Bogus, Susan M.** and Ross, Timothy J. (2009) “An Approach to Classifying Uncertainties in Construction Schedules.” *Proceedings of the 2009 ASCE Construction Research Congress, Seattle, WA, April 2009, pp. 876-885. (doi: 10.1061/41020(339)89)*
 29. **Bogus, Susan M.** and Howe, Kerry J. (2008) “Innovative Design-Build Approach to Project-Based Learning” *Proceedings of the 2008 ASCE Gulf-Southwest Annual Conference, Albuquerque, NM, March 2008.*
 30. McCuskey, M., RedaTaha, M.M., and **Bogus S.** (2007) “A Robust Sustainability Metric Using Possibility Distributions” *Proceedings of the 2007 ASCE International Workshop on Computing in Civil Engineering. Pittsburgh, PA, July 2007, pp. 494-501.*
 31. Blacud, Nicolas A.*, **Bogus, Susan M.**, Molenaar, Keith R., and Diekmann, James E. (2007) “Beginning Construction Under Design Uncertainty” *Proceedings of the 2007 ASCE Construction Research Congress. Bahamas, May 2007.*
 32. Hyderabad, Suhasini* and **Bogus, Susan M.** (2007) “AHP-Based Selection Model for Best Sustainable Practices for Construction Projects” *Proceedings of the 2007 ASCE Construction Research Congress. Bahamas, May 2007.*
 33. Gutierrez, Brian C.* and **Bogus, Susan M.** (2007) “The Facility Ramifications of Implementing Lean in a Batch Manufacturing Plant” *Proceedings of the IGLC-15: International Group for Lean Construction Conference. Lansing, MI, July 2007, pp. 391-399.*
 34. Lee, Jae-Seob, Molenaar, Keith R., **Bogus, Susan M.**, and Diekmann, James E. (2006) “An Activity Overlapping Algorithm for Construction.” *Proceedings of the Joint International Conference on Computing and Decision Making in Civil and Building Engineering. Montreal, Canada, June 2006, pp. 3827-3834.*
 35. **Bogus, Susan M.** and Rounds, Jerald L. (2006) “Incorporating Leadership Skill Development in Construction Training Programs.” *Proceedings of the ASCE/CIB Conference on Leadership and Management in Construction. Bahamas, May 2006 pp. 135-140.*
 36. Gilchrist, Tracy* and **Bogus, Susan.** (2006) “Sustainable Construction Materials and Procedures for U.S. National Park Service Projects.” *Proceedings of the CSCE International Construction Specialty Conference. Calgary, Canada, May 2006.*
 37. **Bogus, Susan M.**, Diekmann, James E., and Molenaar, Keith R. (2005). “Evaluating the Consequences of Overlapping Dependent Activities.” *Proceedings of the ASCE Construction Research Congress. San Diego, CA, April 2005, pp. 725-734.*
 38. **Bogus, Susan**, Diekmann, James E., and Molenaar, Keith R. (2002). “A Methodology to Reconfigure the Design-Construction Interface for Fast-Track Projects.” *Proceedings of the ASCE & EG-ICE Joint Workshop on Information Technology in Civil Engineering. Washington, DC, November 2002, pp. 258-272.*

39. **Bogus, Susan** and Diekmann, James (2001). “Digital Integration of Design Data and Construction Products: Applications in Education and Training.” *Proceedings of the ASCE Special Conference on Fully Integrated and Automated Project Processes in Civil Engineering*. Blacksburg, VA, January 2002, pp. 456-461.
40. **Bogus, Susan**, Songer, Anthony D., and Diekmann James (2000). “Design-Lead Lean.” *Proceedings of the International Group for Lean Construction Eighth Annual Conference (IGLC-8)*, Brighton, England, July 2000.

Funded Research Projects

(Total amount: \$7,689,478; As lead-PI: \$4,317,975)

1. New Mexico Department of Transportation - \$430,000
 - a. Project Title: Management of NMDOT LTAP
 - b. Project Duration: Apr 2017 – Dec 2018
 - c. PI: Dr. Greg Rowangould; co-PI: Dr. Susan Bogus
2. Louisiana State Univ. / USDOT Univ. Transportation Center - \$2,790,000 (est. 5-year total)
 - a. Project Title: Transportation Consortium of South-Central States (Tran-SET)
 - b. Project Duration: Jan 2017 – Dec 2021
 - c. PI: Dr. Susan Bogus
3. New Mexico Department of Transportation - \$54,829
 - a. Project Title: CMAQ Best Practices Scan
 - b. Project Duration: Jan 2017 – Jun 2017
 - c. PI: Dr. Greg Rowangould; co-PI: Dr. Susan Bogus
4. New Mexico Department of Transportation - \$19,387
 - a. Project Title: Workplan Development for NMDOT LTAP
 - b. Project Duration: Aug 2016 – Aug 2017
 - c. PI: Dr. Susan Bogus; co-PI: Dr. Greg Rowangould
5. National Science Foundation - \$884,573
 - a. Project Title: NM Green: Advancing Sustainable Construction Technology Education
 - b. Project Duration: May 2016 – June 2019
 - c. PI: Dr. Susan Bogus; co-PI: Dr. Vanessa Valentin
6. USDOT Research and Innovative Technology Administration (RITA) - \$1,288,500
 - a. Project Title: Development of a Remote Sensing Network for Time-Sensitive Detection of Fine Scale Damage to Transportation Infrastructure
 - b. Project Duration: Oct 2014 – Jan 2017
 - c. PI: Dr. Christopher Lippitt; co-PI: Dr. Susan Bogus
7. ELECTRI International (Electrical Contracting Foundation) – \$45,000
 - a. Project Title: From Field to Office: A Management Training Program
 - b. Project Duration: Mar 2014 – May 2015
 - c. PI: Dr. Susan Bogus

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8. University of New Mexico Research Allocation Committee - \$9,040
 - a. Project Title: Infrastructure Condition Assessment Using Low-Cost Remote Sensing Techniques
 - b. Project Duration: Jul 2013 – Dec 2014
 - c. PI: Dr. Susan Bogus; co-PI: Dr. Christopher Lippitt
9. New Mexico Department of Transportation (Maint. Bureau) – \$356,980
 - a. Project Title: NMDOT Pavement Evaluation Program 2012
 - b. Project Duration: Feb 2012 – Dec 2012
 - c. PI: Dr. Susan Bogus; co-PIs: Dr. Vanessa Valentin, Dr. Guohui Zhang
10. New Mexico State Univ./NMDOT (Research Bureau) – \$50,995
 - a. Project Title: Improving NMDOT’s Pavement Condition Surveys and Estimating HPMS Data
 - b. Project Duration: Jan 2010 – Jan 2012
 - c. PI: Dr. Susan Bogus; co-PI: Dr. Giovanni Migliaccio
11. New Mexico Department of Transportation (Maint. Bureau) – \$1,269,174
 - a. Project Title: Pavement Evaluation Program
 - b. Project Duration: Jan 2007 – Dec 2010 (stopped in 2009 due to state funding issues)
 - c. PIs: Dr. Susan Bogus; Dr. Giovanni Migliaccio; Mr. Lary Lenke
12. Water Design Build Council –\$45,000
 - a. Project Title: Comparative Evaluation of Design-Build vs Design-Bid-Build
 - b. Project Duration: Nov 2007 – April 2009
 - c. PI: Dr. Susan Bogus
13. ELECTRI International (Electrical Contracting Foundation) – \$78,000
 - a. Project Title: Best Practices for Evaluating Pre-Assembly Options
 - b. Project Duration: Jan 2007 – May 2008
 - c. PI: Dr. Susan Bogus; Co-PI: Dr. Jerald Rounds
14. Sandia National Labs (SURP) – \$40,000
 - a. Project Title: Integrating Design and Construction Processes to Reduce Project Delivery Time
 - b. Project Duration: Oct 2006 – Sep 2007
 - c. PI: Dr. Susan Bogus
15. New Mexico Department of Transportation – \$299,000
 - a. Project Title: Pavement Evaluation Project
 - b. Project Duration: Jan 2006 – Dec 2006
 - c. PIs: Mr. Lary Lenke; Dr. Susan Bogus
16. University of Colorado / National Science Foundation –\$29,000
 - a. Project Title: Methodology to Reconfigure the Design-Construction Interface
 - b. Project Duration: Jan 2006 – Aug 2007
 - c. PI: Dr. Susan Bogus

PhD Students Supervised (with graduation dates)

(Total: 3 PhD students graduated)

- Su Zhang (PhD Engineering, '17)
- Umberto Gatti (PhD Engineering '12; co-advisor G. Migliaccio)
- Homer Clay Phillips (PhD Engineering '09; co-advisor T. Ross)

Masters Students Supervised (with graduation dates)

(Total: 24 Masters students graduated)

- Valerie McCoy (MEng Civil Engineering '17)
- Jose Jesus Del Rio Sanchez (MS Civil Engineering '16)
- David Barboza (MS Civil Engineering '15)
- Fei Han (MS Civil Engineering '13)
- Kelly Montoya (MS Civil Engineering '13)
- Clifford Youngberg (Masters in Construction Management '13)
- Jadranka Matic (MS Civil Engineering '12)
- Christina Dvorak (Masters in Construction Management '11)
- Amelia Scharrer (MS Civil Engineering '11)
- Scott McCormick (Masters in Construction Management '11)
- Francisco Forns Samso (MS Civil Engineering '10; co-advisor G.Migliaccio)
- Arturo Cordova (MS Civil Engineering '10; co-advisor G.Migliaccio)
- Ruoyu Jin (MS Civil Engineering '10)
- Jerome Aigner (MS Civil Engineering '10)
- Christian Birk Jones (MS Civil Engineering '09)
- Ao Chen (MS Civil Engineering '09)
- David Garcia (MS Civil Engineering '09)
- Sunil Kumar Gopu (MS Civil Engineering '08)
- Riyaz Natha (MS Civil Engineering '08)
- Raymond Waggerman (Masters in Construction Management '08)
- Nicolas Blacud (MS Civil Engineering '07)
- Suhasini Hyderabad (MS Civil Engineering '07)
- Vijaya Anantaneni (MS Civil Engineering '07)
- Tracy Gilchrist (MS Civil Engineering '06)

Service Activities

University

- Associate Chair for Undergraduate Programs, Department of Civil Engineering, University of New Mexico (2010-2012, 2016-present)

Professional

- American Society of Civil Engineers – Construction Institute
 - Board of Governors (2016-present)
 - Executive Committee, Construction Research Council (Secretary: 2013-2014; Vice Chair: 2014-2015; Chair: 2015-2016; Past Chair: 2016-2017)

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- Member of Construction Education Committee (2004-present)
- Co-Chair of the UNM Paving and Transportation Conference (2012-2014)
- Transportation Research Board Committee Member
 - AFH10 – Construction Management
 - AFH15 – Project Delivery Methods
- Reviewer for the following journals:
 - *Journal of Construction Engineering and Management*
 - *Journal of Management in Engineering*
 - *Construction Management and Economics*
 - *Journal of Green Building*
- ASCE/ABET Trained Accreditation Visitor
- National Science Foundation proposal review panelist
- Member of the technical committee for the 2nd International/8th Construction Specialty Conference, Canadian Society for Civil Engineering (May 2009)
- Reviewer for ASCE Construction Research Congress conference proceedings (2005, 2007, 2009, 2014, 2016)

Community

- Board member, Homebuilders Association of Central New Mexico
- Member, Construction Leadership Council, Associated General Contractors of America, New Mexico Building Branch
- Instructor for PE review sessions on construction engineering sponsored by local NSPE chapter
- Contributor to the Order of the Engineer ceremony conducted at the Univ. of New Mexico