

STUART D. ANDERSON
CURRICULUM VITAE
October 31, 2004

PERSONAL DATA

Current Address: 208 Fireside Circle
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EDUCATION

University of Texas at Austin, Ph.D. in Civil Engineering, Austin, 6/86- 8/89

University of Illinois, MS in Civil Engineering, Urbana, 9/71 -6/73

University of Washington, BS in Building Construction, Seattle, 9/67 - 6/71

PROFESSIONAL ENGINEER

Licensed in State of Texas, License Number 89556

EXPERIENCE

Academic

Primary Academic Experience

Texas A&M University, College Station, Texas; Associate Professor, Assistant Professor; Senior Lecturer; Civil Engineering Department, January 1989 to Present. Texas Transportation Institute, Associate Research Engineer and Program Manager Construction, Materials Division, Assistant Research Engineer, June, 1990 to Present.

Responsibilities: Associate Professor of Civil Engineering with a specialty in Construction Engineering and Management. Teaching focus areas include project development (project economics, conceptual estimating, risk analysis and pre-project planning), advanced project management (construction engineering systems), and project planning and estimating. Primary research interests include modeling and improvement of project management processes, innovative project delivery and contracting systems, construction process improvement through constructibility, and accelerated construction processes and techniques. Other research interests include the role of owners and contractors in capital projects, pre-project planning, and impact of organizational change on project development and execution processes.

Dissertations

In Progress

Cuneyt Erbatur, "Development of Performance Indicators and Threshold Values for Warranty Based Specifications for Construction Pavements," Expected Graduation, August 2005.

Graduated

Ade Oyetunji, "A Methodology for Selecting Project Delivery and Contract Strategies for Capital Projects," August 2001.

Julian Kang, "4D Visualization in Web-based Project Management for Construction Scheduling," December 2001.

Shekhar S. Patel, "Optimal Owner Contractor Relationships Based on Capital Project Competencies," August 2000.

E. Lynn Cook, "Integration of Total Quality Management with a Project Management Approach to Capital Projects," May 1997.

David S. Cottrell, "Enhancing Construction Productivity Through Continuous Process Improvements," December 1995.

Gordon M. Clarke, "The Integration of Economic and Environmental Factors in Project Feasibility Planning," December, 1995.

Masters Thesis

In Progress

Kelly Donnell, "Cost Estimating Strategies, Methods, and Tools for Highway Projects," Expected Graduation, December 2004.

Clayton Chabannes, "Success Factors for Concrete Pavement Construction in High Traffic Volumes," Expected Graduation, May 2005.

Laura Harris, "New Contract Methods to Improve Time and Quality for Highway Construction Projects," Expected Graduation, December 2004.

Graduated

Rodrigo de las Casas, "Documentation of Key Factors for Successful Reconstruction of High Volume Roadways," December 2001.

Edgar Herrera, "Validation and Development of Guidelines to Select Maintenance, Rehabilitation, and Reconstruction Strategies for Rigid Pavements," August 2001.

Andrew Damron, "Identification of Research and Development Needs in Highway Construction Engineering and Management," May 2001.

Marc Valls, "A Decision Process Framework: Selecting Strategies for Maintenance, Rehabilitation, and Reconstruction of Rigid Pavements Subjected to High Traffic Volumes," August 2000.

Ashok Vyas, "Development of a Research Methodology to Study Lumber Waste Due to Design Causes in Residential Construction," August 1999.

Suhel Rahman, "Multi-parameter Bidding: Development of Parameters," May 1998.

George Sullivan, "Owner/Contractor Work Structure Process with Integrated Alignment Framework," May 1996.

Majed Liman, "Constructibility Review Process Framework for Transportation Facilities," May 1995.

Renee H. Sacker, "Determination of Factors Contributing to Team Success within the Construction Project Environment," May 1994.

Jorge Soares, "Construction Work Process Management," August, 1994.

Artemis Ardizolou, "The Effects of Integrating Formwork Knowledge and Experience with Structural Design of Reinforced Concrete Structures on Project Outcomes," May 1993.

Teaching Awards

Zachry Teaching Excellence Award, May, 1993

Writing Awards

ASCE 2002 Best Peer Reviewed Paper, *Journal of Management in Engineering*

ASCE 1996 Thomas Fitch Roland Prize, *Journal of Construction Engineering and Management*

Research Awards

Construction Industry Institute, Outstanding Researcher for 1997

Secondary Academic Experience

University of Texas at Austin, Austin, Texas; Graduate Research Assistant; June 1986 to December 31, 1988.

Responsibilities: Primary research involved identifying key determinants of project management practices and performance and specifying key areas for improving project management effectiveness on an industry-wide basis. This process utilized survey techniques, collection of a large sample (over 1900 surveys), and multiple regression analysis to derive results and conclusions. Other research activities involved data collection and analysis for field constructability study. Responsible for special research effort to determine change in construction industry for Construction Industry Institute 1987 Annual Conference. This involved developing a survey, conducting interviews, and data analysis.

California State University at Long Beach, Long Beach, California; part-time faculty in Department of Industrial Technology; 1984 to 1986.

Responsibilities: Taught course entitled, "Introduction to Cost Engineering." The course covered all aspects of capital cost estimating, home office and field cost control, and progress reporting.

University of Illinois, Urbana, Illinois; Research and Teaching Assistant, September 1971 to July 1973.

Responsibilities: Initial research was concerned with developmental work on a computerized construction management game that focused on decision problems at the construction management level. Final research focused on managing project manpower, and how this process is practiced by different size companies in the construction industry. This work led to the publication of two books. Teaching assistant for cost estimating class.

Professional

Fluor Corporation, Irvine, California; Principal Engineer, Senior Engineer, Engineer, Associate Engineer; August, 1975 to May 1986.

Responsibilities: Project management as Controls Manager involved with all project cost and scheduling activities including estimating, cost control, planning, scheduling, and scheduling control. Technical specialization includes cost estimating, cash flow analysis, cost control, progress and productivity analysis, field construction scheduling, change order and trend analysis, and management level scheduling. Project involvement included all phases of project execution in the home office and at the field site. Project experience was related to new technology and processes in the petrochemical and power industries. Project experience also included domestic, international, open shop, and closed shop construction.

Stone & Webster Engineering Corporation, Boston, Massachusetts; Cost Engineer, Specialty Cost Engineer; August, 1973 to July, 1975.

Responsibilities: Project Cost Engineer specializing in cost estimating and expenditure forecasting.

PUBLICATIONS

1. Refereed Publications

Journal Publications - Published/Accepted

Anderson, S., Patil, S., Gibson, E.G., and Sullivan, G., "Owner/Contractor Work Structure: A Process Approach," *Journal of Construction Engineering and Management*, Vol. 130, No. 5, 2004, pp. 680-690.

Ford, D.N., Anderson, S.D., Damron, A.J., de Las Casas, R., Gokmen, M., and Kuennen, S.T., "Managing Constructibility Reviews to Reduce Highway Project Durations," *ASCE Journal of Construction Engineering and Management*, Vol 130, No.1, 2004, pp.33-42.

Anderson, S.D., Ullman, G.L., and Blaschke, B.C., "Process for Selecting Strategies for Rehabilitation of Rigid Pavements Under High Traffic Volumes," *Transportation Research Record, Journal of the Transportation Research Board*, Number 1861, 2003.

Thompson, B.P., Anderson, S.D., Russell, J.S., and Hanna, A.S., "Guidelines for Warranty Contracting for Highway Construction," *ASCE Journal of Management in Engineering*, Vol. 18, No. 3, 2002, pp. 120-137.

Trejo, D., Patil, S. S., Anderson, S.D., and Cervantes, E., "Framework for Competency and Capability Assessment for Resource Allocation," *ASCE Journal of Management in Engineering*, Vol. 18, No. 1, 2002, pp. 44-49.

Anderson, S.D., Patil, S.S., and Sullivan, G.S., "Optimizing Owner/Contractor Core Competencies for Capital Programs," *ASCE Journal of Management in Engineering*, Vol. 126, No. 2, 2001, pp 77-85.

Anderson, S.D., Fisher, D.J., and Rahman, S.P., "Integrating Constructibility Into the Project Development: A Process Approach," *ASCE Journal of Construction Engineering and Management*, Vol. 126, No. 2, 2000, pp. 81-88.

Fisher, D.J., Anderson, S.D., and Rahman, S.P., "Integrating Constructibility Tools Into a Constructibility Review Process," *ASCE Journal of Construction Engineering and Management*, Vol. 126, No. 2, 2000, pp. 89-96.

Anderson, S.D., Fisher, D.J., and Rahman, S.P., "Constructibility Issues for Highway Projects," *ASCE Journal of Management in Engineering*, Vol.15, No. 3, 1999, pp. 60-68.

Boles, W. W., Emsoff, J.E., and Anderson, S.D., "Scheduling Function-Foreman Interface on Paper Mill Maintenance Projects," *ASCE Journal of Computer-Aided Civil and Infrastructure Engineering*, 13, 1998, pps. 131-141.

Soares, J., and Anderson, S. "Modeling Process Management in Construction," *ASCE Journal of Management in Engineering*, Vol. 13, No. 5, 1997, pp. 45-53.

Jaselskis, E.J., Anderson, S.D., and Russell, J. S. "Strategies for Achieving Excellence in Construction Safety Performance," *ASCE Journal of Construction Engineering and Management*, Vol. 122, No. 1, 1996, pp. 61-70.

Anderson, S.D., Fisher, D.J., and Gupta, V.K., "Total Constructibility Management: A Process Oriented Framework," *PMI, Project Management Journal*, Vol. XXVI, No. 3, September, 1995, pp. 3-11.

Anderson, S.D., and Cook, E.L., "A TQM Implementation Strategy for Capital Projects," *ASCE Journal of Management in Engineering*, Vol . 11, No. 4, July/August, 1995, pp. 39-47.

Anderson, S. D., Rivers, J. R., Appleton, G.W., and Goel, M., "Americans with Disabilities Act: Issues for Design and Facility Managers," *ASCE Journal of Management in Engineering*, Vol. 11, No. 1, January/February, 1995, pp. 38-49.

Anderson, S. D., Morgan, C. F., and Goel, M., "Americans with Disabilities Act and Employment Practices in Construction," *ASCE Journal of Professional Issues in Engineering and Education*, Vol. 120, No. 4, Oct. 1994, pp. 360-378.

Swiggum, K. E., Anderson, S. D., and Russell, J. S., "Case Study of Burlington Cable-Stayed Bridge," *ASCE, Journal of Construction Engineering and Management*, Vol. 120, No. 3, 1994, pp. 649-666.

Anderson, S.D., and Tucker, R.L., "Improving Project Management in Design," *ASCE, Journal of Management in Engineering*, Vol. 10, No. 4, 1994, pp 35-44.

Anderson, S.D., "Project Quality and Project Managers," *International Journal of Project Management*, Oxford, United Kingdom, Vol. 10, No. 3, 1992, pp. 138-144.

Journal Publications - Under Review

Oyetunji, A. and Anderson, S., "Relative Effectiveness of Project Delivery Systems," Submitted for review and possible publication to *ASCE Journal of Construction Engineering and Management*, September 2003.

Other Refereed Publications

Anderson, S.D., and Blaschke, B.C., "Statewide Highway Letting Program Management," National Cooperative Highway Research Program, National Academy of Sciences, NCHRP Project 20-5, Topic 33-09, Synthesis of Practice, Accepted for publication, Summer 2004.

Anderson, S.D., "Project Delivery and Contract Strategy Selection Tools," Construction Industry Institute, *Education Module EM 165-21*, December 2003.

Anderson, S.D., "Project Delivery and Contract Strategy Selection: An Owner's Tool," Construction Industry Institute, *Implementation Resource 165-2, Second Edition*, October 2003.

Anderson, S.D., and *Patil, S.S., "Improving Organizational Effectiveness of Asset Life Cycle Management," ASCE Construction Institute, Construction Research Congress 2003, Oahu, Hawaii, March 19-21, 2003, 9 pages.

Anderson, S.D., and *Oyetunji, A., "Selection Procedure for Project Delivery and Contract Strategy," ASCE Construction Institute, Construction Research Congress 2003, Oahu, Hawaii, March 19-21, 2003, 9 pages.

Anderson, S.D., and Russell, J.S., "Guidelines for Warranty, Multi-Parameter, and Best Value Contracting," *NCHRP Report 451*, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, National Academy Press, 2001, 150 pages.

Anderson, S.D., and Oyetunji, A., "Owner's Tool for Project Delivery and Contract Selection," *Research Summary 165-1*, Construction Industry Institute, June 2001, 25 pages.

Anderson, S.D., and Oyetunji, A., "Owner's Tool for Project Delivery and Contract Selection: User's Guide," *Implementation Resource 165-2*, Construction Industry Institute, September 2001, 73 pages.

Anderson, S.D., and Ullman, G.L., "Reducing and Mitigating Impacts of Lane Occupancy During Construction and Maintenance," *NCHRP Synthesis 293*, National Highway Cooperative Research Program, Transportation Research Board, National Research Council, National Academy Press, Washington D.C., December 2000, 60 pages.

Anderson, S.D., "Owner/Contractor Work Structure Handbook," *Implementation Resource 111-2*, Construction Industry Institute, April, 1997, 177 pages.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities," *NCHRP Report 390*, National Highway Cooperative Research Program, Transportation Research Board, National Research Council, National Academy Press, Washington D.C., December 2000, 1997, 88 pages.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities *Workbook*," *NCHRP Report 391*, National Highway Cooperative Research Program, Transportation Research Board, National Research Council, National Academy Press, Washington D.C., December 2000, 1997, 181 pages.

Anderson, S.D., "Owner/Contractor Work Structure: A Preview," *Publication 111-1*, Construction Industry Institute, December, 1996, 22 pages.

Rivers, J.R., and Anderson, S.D., Americans with Disabilities Act, *Publication 50-2*, Construction Industry Institute, May, 1994, 22 pages.

Anderson, S. D., "Americans with Disabilities Act: Key Issues for the Design and Construction Industry," *Publication 50-1*, Construction Industry Institute, November, 1993, 54 pages.

Messer, C. J., Bonneson, J. A., Anderson, S. D., and MacFarland, W. F., "Single Point Urban Interchange Design and Operations Analysis," National Cooperative Highway Research Program, Transportation Research Board, National Research Council, Washington, D.C., December 1991.

Anderson, S. D., and Tucker, R. L., "An Assessment of Construction Industry Project Management Practices and Performance," *Special Publication*, Construction Industry Institute, April 1990, 42 pages.

Anderson, S. D., and Tucker, R. L., "An Assessment of Owner Project Management Practices and Performance," *Special Publication*, Construction Industry Institute, April, 1990, 42 pages.

Anderson, S. D., and Tucker, R. L., "An Assessment of Architect/Engineer Project Management Practices and Performance," *Special Publication*, Construction Industry Institute, April, 1990, 34 pages.

Anderson, S. D., and Tucker, R. L., "An Assessment of Construction Contractor Project Management Practices and Performance," *Special Publication*, Construction Industry Institute, April, 1990, 38 pages.

2. Publication of Books and Chapters in Books

Anderson, S.D., Patil, S.S., and Gibson, G.E., “Improved Owner-Contractor Work Relationships Based on Capital Project Competencies,” The Frontiers of Project Management Research, D.P. Slevin, D.I. Cleland, and J.K. Pinto, Co-Editors, Project Management Institute, 2002.

Anderson, S. D., and Woodhead, R. W., Project Manpower Management: Decision-Making Processes in Construction Practice, Wiley-Interscience, New York, 1987, 509 pages.

Anderson, S. D., and Woodhead R. W., Project Manpower Management: Management Processes in Construction Practice, Wiley-Interscience, New York, 1981, 264 pages.

3. Other Publications/Presentations

Publications

Anderson, S.D., “Project Delivery and Contract Strategy Selection Tool,” Proceedings of the Construction Industry Institute Annual Conference, Orlando Florida, July 29-31, 2003.

Anderson, S.D., “Project Delivery and Contract Strategy Selection Tool,” Proceedings of the Construction Industry Institute Construction Performance Improvement Conference, Austin, Texas, September 21-23, 2003.

Anderson, S.D., Blaschke, B., Trejo, D., and Erbatur, O.C., “Draft Warranty Specifications,” Texas Department of Transportation, Report No. FHWA/TX-04/4498-1, October 2003.

Anderson, S.D., and Ullman, G.L., “Concepts for Enhancing the Effectiveness of Traffic Control Plans,” Federal Highway Administration Workshop, *Making Work Zones Better: Innovations in Technologies, Practices, and Products*, June 19/20, 2002, Raleigh, North Carolina, 12 pages.

King, J.H., Anderson, S. D., and Clayton, M. J., Impact of Web-Based 4D Visualizaton in Construction Scheduling,” First International Conference on Construction in the 21st Century, April 25-26, 2002, Miami, Florida.

Anderson, S.D., Patil, S.S., and Gibson, G.E., “Developing Optimal Owner-Contractor Work Structures (OCWS) – Validation of the OCWS Process” *Report No. 15*, Center for Construction Industry Studies, University of Texas at Austin, Austin Texas, October 2000, 66 pages.

Anderson, S.D., “Optimizing Owner/Contractor Core Competencies for Project Success,” *Education Module 111-21*, Construction Industry Institute, October 2000.

Anderson, S.D., Patil, S.S., and Gibson, G.E., “Developing Optimal Owner-Contractor Work Structures - Case Studies” *Report No. 12*, Center for Construction Industry Studies, University of Texas at Austin, Austin Texas, July 2000, 75 pages.

Anderson, S.D., Patil, S.S., and Gibson, G.E., “Improved Owner-Contractor Work Relationships Based on Capital Project Competencies” Proceedings of PMI Research Conference 2000, Project Management Research at the Turn of the Millennium, Paris, France, June, 2000.

Russell, J.S., Hanna, A.S., Anderson, S.D., Wiseley, P.W., and Smith, R.J., “The Warranty Alternative,” *Civil Engineering*, Vol. 69, No. 5, 1999, pp. 60-63.

Rahman, S.P., Anderson, S.D., Russell, J.S., and Hogue, L.Y., “Multi-parameter Bidding: Development of Parameters,” Transportation Research Board, 1999 Annual Conference, Washington, D.C., Published on CD-ROM, January, 1999.

Russell, J.S., Hanna, A., Anderson, S.D., Wiseley, P.W., and Smith, R.J., “Current Use of Warranties in Highway Construction,” Transportation Research Board, 1999 Annual Conference, Washington, D.C., Published on CD-ROM, January, 1999.

Nobel, D.D., Russell, J.S., Anderson, S.D., and Hanna, A., Smith, R.J., “Innovative Contracting Methods for Highway Construction Projects,” Transportation Research Board, 1999 Annual Conference, Washington, D.C., Published on CD-ROM, January, 1999.

Russell, J.S., Jaselskis, E.J., Anderson, S.D., and Hendrickson, M.L., “A Summary of Construction Congress V,” Feature, ASCE, *Journal of Management in Engineering*, Vol. 14, No. 6, November/December, 1998, pp. 27-30.

Anderson, S., Schwartz, J. and Zollinger, D., “A Process Approach to Fast-Track Urban Intersection Reconstruction,” Transportation Research Board, Annual Conference, Washington, D.C., Published on CD-ROM. January 1998.

Anderson, S.D., “Managing Engineered Construction in Expanding Global Markets,” ASCE Construction Congress V, Editor, Proceedings of the Congress, October 5-8, 1997, Minneapolis, Minnesota, 134 paper, 1080 pages.

Jaselskis, E.J., Anderson, S.D., and Russell, J.S., “Strategies for Improving Construction Safety Performance,” CIB, Commission Meetings and Presentations, including TG8, TG16, W78, W82, & W99, Melbourne, Australia, February 14-16, 1996.

Anderson, S. D., and Ketha, S., "Computer Automation and Project Organizational Impact: A Conceptual Model," *Proceedings of First Congress on Computing in Civil Engineering*, ASCE, Vol. 1, June, 1994, pp. 498-501.

Anderson, S. D., "Project Manager and Project Quality," Project Management Institute, '91 Seminar/Symposium, Proceedings, Sept. 28 - Oct. 2, 1991, Dallas Texas.

Wagner, J. A., and Anderson, S. D., "Project Planning and Control," Proceedings of the Symposium of the South African Institute of Building, Project Planning and Cost Control, September 1979.

Technical Reports

Anderson, S., Molenaar, K., Schexnayder, C., "Procedures for Estimation and Management for Highway Projects During Planning, Programming, and Preconstruction," Draft Interim Report, Project 8-49, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, October 2004, 123 pages.

Bowers, D., Bhargava, R., and Anderson, S., "Characteristics of Integrated Project Delivery and Contract Strategies," Construction Industry Institute, Research Report 165-11, December 2003, 200 pages.

Anderson, S.D., Blaschke, B., Trejo, D., and *Erbatur, O.C., "Draft Warranty Specifications," Texas Department of Transportation, Report No. FHWA/TX-04/4498-1, October 2003.

Anderson, S. D., Ullman, G.L., and Blaschke, B.C., "A Process for Selecting Strategies for Rehabilitation of Rigid Pavements," Final Report, Project 10-50A, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, National Academy Press, Washington D.C., February, 2002 128 pages (Note: Report is available at following website address: gulliver.trb.org/publications/nchrp/nchrp_webdoc_45.pfd), 106 pages.

Russell J.S., Anderson, S.D., Trejo, D., Hanna, A.W., "Recommended Research Program for Construction Engineering and Management," Project 10-58, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, October 2001, 72 pages.

Russell J.S., Anderson, S.D., Trejo, D., Hanna, A.W., "Construction Engineering and Management Research Program," Final Report, Project 10-58, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, October 2001, 351 pages, (Note: Report is available at following website address: gulliver.trb.org/publications/nchrp/nchrp_webdoc_w51.pfd).

Crawford, J.A., Trejo, D., Overman, J.H., Benz, R., Fenno, D., Anderson, S., Perkinson, D.G., Kuennen, S., de les Casas, R., and Deshmukh, R., "Assessment of Impacts from Construction Equipment Restrictions in Select Texas Nonattainment Areas," Research Report 4190-6, Texas Transportation Institute, Texas Department of Transportation, Federal Highway Administration, August 2001, 179 pages.

Trejo, D., Anderson, S.D., Kuennen, S., de les Casas, R., and Deshmukh, R., "Potential Cost and Schedule Impact of Texas Natural Resource Conservation Commissions's Proposed Rule Restricting Construction Equipment," Research Report 4190-3, Texas Transportation Institute, Texas Department of Transportation, Federal Highway Administration, January 2001, 178 pages.

Oyetunji, A., and Anderson, S.D., and "Project Delivery and Contract Selection," *Research Report 165-12*, Construction Industry Institute, September 2001.

Anderson, S. D. and Russell, J.S., "Improved Contracting Methods for Highway Construction Projects," Final Report, Project 10-49, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, December 1999, 168 pages.

Sullivan, G.S., Yupari, M.A., and Anderson, S. D., "Owner/Contractor Work Structure: A Process Approach," *Research Report 111-11*, Construction Industry Institute, Texas A&M University, June 1997, 308 pages.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities: Final Report," Project 10-42, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, December 1996.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities: Workbook," Project 10-42, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, December 1996.

Secmen, S., Schwarz, J., Anderson, S., and Zollinger, D., "Accelerated Construction Methodology for Concrete Pavements at Urban Intersections," Research Report 1454-1F, Texas Department of Transportation and Federal Highway Administration, November, 1996.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities," Interim Report, Project 10-42, National Cooperative Highway Research Program, Transportation Research Board, National Research Council, November 11, 1994.

Anderson, S.D., Cook, E.L., and Sacker, R.H., "Total Quality Management and Continuous Improvement: A Practical Guide for Capital Projects," Chevron Chemical Company, May 1994.

Anderson, S.D., Memmott, J.L., and Patil, S.S., "Road User Costs and the Influence of Pavement Type: A Perspective," Technical Report, Texas Transportation Institute, May 1992.

Texas A&M University and University of Texas at Austin, "An Evaluation of the John Gray Institute Report (Final), July 1991," September 1991, Prepared for The Business Roundtable, Contributing Author.

Anderson, S. D., and Jaselskis, E. J., "Project Success Evaluation for Doswell Combined Cycle Facility," Unpublished Technical Report, Confidential Industry Client, July 1991.

Anderson, S. D., and Chang, D. C., "Task I: Risk Analysis Program for Contingency Evaluation; Task II: Estimate Review Prototype Design; and Task III: Estimate Review Prototype Implementation." Unpublished Technical Report, Confidential Industry Client, August 1991.

Texas A&M University and University of Texas at Austin; "An Evaluation of the John Gray Institute Preliminary Report," June 1991, Prepared for The Business Roundtable, Contributing Author.

Anderson, S. D., and Tucker, R. L., "Potential for Construction Industry Improvement - Volume I: Assessment Methodology," Source Document No. 60, A Report to the Construction Industry Institute, Texas A&M University/University of Texas at Austin, November, 1990.

Anderson, S. D., and Tucker, R. L., "Potential for Construction Industry Improvement - Volume II: Assessment Results, Conclusions, and Recommendations," Source Document No. 61, A Report to the Construction Industry Institute, Texas A&M University/University of Texas at Austin, November, 1990.

Anderson, S.D., "Potential for Construction Industry Improvement," Ph.D. Dissertation, The University of Texas at Austin, August 1989.

Presentations

Patil, S.S., and Anderson, S.D., "Improving Organizational Effectiveness of Asset Life Cycle Management," ASCE Construction Institute, Construction Research Congress 2003, Oahu, Hawaii, March 20, 2003.

Anderson, S.D., and Oyetunji, A., "Selection Procedure for Project Delivery and Contract Strategy," ASCE Construction Institute, Construction Research Congress 2003, Oahu, Hawaii, March 20, 2003.

Anderson, S.D., Ullman, G.L., and Blaschke, B.C., "Process for Selecting Strategies for Rehabilitation of Rigid Pavements Under High Traffic Volumes," Presentation at Transportation Research Board, 2003 Annual Conference, Washington, D.C., January 16, 2003.

Anderson, S.D., and Ullman, G.L., "Concepts for Enhancing the Effectiveness of Traffic Control Plans," Federal Highway Administration Workshop, *Making Work Zones Better: Innovations in Technologies, Practices, and Products*, June 19/20, 2002, Raleigh, North Carolina, Invited.

Anderson, S.D., "Client Relations: How to Create a Properly Aligned Work Relationship between Owner and Contractor," Construction Industry Roundtable (CIRT), Fall Conference, New Orleans, Louisiana, October 31, 2001, Invited.

Anderson, S.D., "Optimizing Owner/Contractor Competencies for Capital Projects Success," Federal Facilities Council (FFC), The National Academies, Government/Industry Forum on Outsourcing Management Functions for the Acquisition of Federal Facilities, May 24, 2001, Invited.

Anderson, S.D., "Accelerated Construction Techniques for Intersection Replacement," Michigan Concrete Pavement Association, 31st Annual Workshop, Ann Arbor, Michigan, February 15, 2001, Invited.

Anderson, S.D., "Innovative Contracting: Can We Move 'Out of the Box,'" Workshop on Accelerating Highway Construction: High Speed, High Quality, High Safety – Is it Possible? Sponsored by the Transportation Research Board, A5T60 Task Force on Accelerating Innovation in the Highway Industry, Washington D.C., November 16, 2000.

Russell, J.S., and Anderson, S.D., "Construction Engineering and Management Research Program," Update on NCHRP Project 10-58, AASHTO Highway Subcommittee on Construction, Annual Meeting, Lake Tahoe, California, August 15, 2000, Invited.

Anderson, S.D., "Improved Owner-Contractor Work Relationships Based on Capital Project Competencies," Project Management Research at the Turn of the Millennium, Presented at PMI Research Conference 2000, Paris, France, June 23, 2000, Invited.

Anderson, S.D., "Outsourcing Impact on Owner/Contractor Work Relationships," Presentation to the Michigan Construction Users Council, Annual Conference, Lansing, Michigan, November 16, 1999, Invited.

Anderson, S.D., "Owner/Contractor Organizational Changes," Presentation to Sloan Program Executive Advisory Board, Center for Construction Industry Studies, Sloan Program for the Construction Industry, University of Texas at Austin, Austin, Texas September 14, 1999, Invited.

Anderson, S.D. "New Alternatives for Contract Administration in Highway Construction," Update on NCHRP Project 10-49, AASHTO Highway Subcommittee on Construction, Annual Meeting, New Orleans, August 3, 1999, Invited.

Anderson, S., " Owner/Contractor Work Structure Process," Construction Executive Program, Center for Executive Development, College of Business Administration, February 1, 1999, Invited.

Anderson, S.D., "Multi-parameter Bidding: Development of Parameters," Presentation at Transportation Research Board, 1999 Annual Conference, Washington, D.C., January 13, 1999.

Anderson, S.D., "Innovative Contracting Methods for Highway Construction Projects," Presentation at Transportation Research Board, 1999 Annual Conference, Washington, D.C., January 13, 1999.

Anderson, S., Schwartz, J. and Zollinger, D., "A Process Approach to Fast-Track Urban Intersection Reconstruction," Transportation Research Board, Annual Conference, Washington, D.C., January 14, 1998.

Anderson, S., "Improved Contracting Methods for Highway Construction Projects," Presentation to TRB Committee on Construction Management, Washington D.C., January 14, 1998. Invited.

Anderson, S., "Improved Contracting Methods for Highway Construction Projects," Presentation to TRB Committee on Quality Assurance, Washington D.C., January 13, 1998. Invited.

Anderson, S.D., "Owner/Contractor Work Structure Process," ASCE Construction Congress V, October 5-8, 1997, Minneapolis, Minnesota, Invited.

Anderson, S.D. "Improved Contracting Methods for Highway Construction Projects: NCHRP Project 10-49 Update," AASHTO Highway Subcommittee on Construction, Annual Meeting, Branson, Missouri, August 5, 1997, Invited.

Anderson, S.D. "Constructibility Review Process for Transportation Facilities" AASHTO Highway Subcommittee on Construction, Annual Meeting, Branson, Missouri, August 5, 1997, Invited.

Anderson, S.D. "Constructibility Overview," Presentation at the Transportation Research Board 76th Annual Meeting, January 14, 1997, Invited.

Anderson, S.D., "Improved Contracting Methods for Highway Construction Projects," 33rd Annual Paving and Transportation Conference, The University of New Mexico, Albuquerque, New Mexico, January 7, 1997, Invited.

Anderson, S.D., "Improved Contracting Methods for Highway Construction Projects," Mid Year Meeting, Associated General Contractors of America, Presentation to AASHTO-AGC-ARTBA Joint Committee (AGC Members Only), Minneapolis, Minnesota, September 9, 1996, Invited.

Anderson, S.D., "Constructibility Reviews: A Process Approach," WASHTO Annual Meeting, Presentation Sponsored by the Construction/Materials Committee, Albuquerque, New Mexico, June 24, 1996, Invited.

Zollinger, D., and Anderson, S.D., "72 Hour Urban Intersection Replacement," Presentation to Texas Department of Transportation, Research Committee No. 8, College Station, Texas, May 13, 1996.

Anderson, S.D., "Equipment Costing Methods: Overview," Annual Meeting, Associated General Contractors of America, Presentation to Committee on Construction Equipment, San Antonio, Texas, March 2, 1996, Invited.

Anderson, S.D. "Constructibility Review Process for Transportation Facilities NCHRP Project 10-42," Presentation to TRB Committee on Construction Management, Transportation Research Board Annual Conference, January 10, 1996, Invited.

Anderson, S.D. "Constructibility Review Process for Transportation Facilities: An Update," 33rd Annual Paving and Transportation Conference, The University of New Mexico, Albuquerque, New Mexico, January 5, 1996, Invited.

Anderson, S.D. "Constructibility Review Process for Transportation Facilities: NCHRP Project 10-42 Update," AASHTO Highway Subcommittee on Construction, Annual Meeting, Williamsburg, VA, August 9, 1995, Invited.

Anderson, S.D. "Constructibility Review Process for Transportation Facilities," 32nd Annual Paving and Transportation Conference, Symposium on Constructibility, Department of Civil Engineering, The University of New Mexico, Albuquerque, New Mexico, January 9, 1995, Invited.

Anderson, S.D., and Fisher, D.J., "Constructibility Review Process for Transportation Facilities," Interim Report, Presentation to NCHRP Panel 10-42, December 5, 1995.

Anderson, S. D., and Ketha, S., "Computer Automation and Project Organizational Impact: A Conceptual Model," Presented at First Congress on Computing in Civil Engineering, Washington, D.C., June, 1994.

Anderson, S.D., “The Project Manager: A Critical Success Factor.” Seminar, Purdue University, Division of Construction Engineering and Management, Civil Engineering Department, May, 1994.

Anderson, S. D., Kelly, W. R., Berke, P. R., and Gibson, E. G., "An Evaluation of the John Gray Institute Report, "Managing Workplace Safety and Health: The Case of Contract Labor in the U.S. Petrochemical Industry, July, 1991," Presentation to Texas Safety Associations, 1992 Southwest Conference and Exposition, Houston, TX, March, 1992, Invited.

Anderson, S. D., "Project Manager and Project Quality," Project Management Institute, 1991 Seminar/Symposium, Managing for Quality, Dallas, Texas, October, 1991.

Wagner, J. A., and Anderson, S. D., "Project Planning and Control," Symposium of the South African Institute of Building, Project Planning and Cost Control, September, 1979.

4. Publications in Progress

Kang, J.H., Anderson, S.D., and Clayton, M.J., “Empirical Study on the Impact of Web-based 4D Visualization in Construction Planning and Scheduling,” To be submitted to the *Journal of Management in Engineering*, Target - February 2005.

Anderson, S. Bhargava, R. and Oyetunji, A., “Formulation of Project Delivery and Contract Strategies,” To be submitted to *ASCE Journal of Management in Engineering*, Target - March 2005.

Anderson, S. and Zollinger, D., “A Process Approach to Fast-Track Urban Intersection Reconstruction,” To be submitted to *ASCE Journal of Construction Engineering and Management*, Target – May 2005.

RESEARCH

External Funding

“Leading Indicators of Project Outcomes,” Construction Industry Institute, Dr. Stuart D. Anderson, PI, \$159,281, September 1, 2004 to November 30, 2006, Competitive.

“Warranty Based Specifications for Construction,” Texas Department of Transportation, Project 0-4498, Stuart D. Anderson, PI, \$44,339, Modification 1, September 2004 to August 31, 2005, Extension of Existing Project.

“Procedures for Cost Estimation and Management for Highway Projects During Planning, Programming, and Preconstruction,” Transportation Research Board, NCHRP Project 8-49,

Stuart D. Anderson, PI, \$300,000, Co-PI, Keith Molenaar, University of Colorado, March 15, 2004 to February 14, 2006, Competitive.

“Traffic Management Studies for High-Volume Roadways,” Federal Highway Administration, Stuart D. Anderson, PI, \$421,380, Matching Funds between FHWA \$337,464 and TTI \$84,366, April 1, 2003 to March 31, 2005. Sole Source.

“Warranty Based Specifications for Construction,” Texas Department of Transportation, Project 0-4498, Stuart D. Anderson, PI, \$200,232, September 2002 to August 31, 2004, Competitive.

“Emissions Due to Construction Equipment and Traffic Delays,” Texas Department of Transportation, Project 0-4190, Jason Crawford, PI, Stuart D. Anderson, Research Associate, \$75,000, June, 2000 to December, 2000, Sole Source.

“Traffic Management Studies for Reconstructing High-Volume Roadways,” Innovative Pavement Research Foundation (IPRF), Stuart D. Anderson, PI, \$545,000, March 1, 2000 to February 28, 2004. Competitive. (Note: Project was terminated by the FHWA June 6, 2002 with approximately \$206,600 expended.)

“Construction Engineering and Management Research Program,” Transportation Research Board, NCHRP Project 10-58, Jeffrey S. Russell, PI, and Stuart D. Anderson, Co-PI, \$200,000, Texas A&M University portion, \$60,000, March 1, 2000 to December 31, 2001, Competitive.

"Project Delivery and Contract Strategy," Construction Industry Institute, Stuart D. Anderson, PI, \$119,000, June 1, 1999 to November 30, 2001, Competitive.

"Guidelines for Selecting Strategies for Rehabilitation of Rigid Pavements Subjected to High-Traffic Volumes," Transportation Research Board, NCHRP Project 10-50A, Stuart Anderson, PI, \$225,000, March 1, 1999 to February 31, 2002. Competitive.

“Improved Contracting Methods for Highway Projects,” Amendment to add “Development of Technical Provisions for Innovative Contract Methods,” Transportation Research Board, NCHRP Project 20-7, Task 109, Stuart Anderson, PI, and Jeffrey Russell, University of Wisconsin-Madison, Co-PI, \$62,500, Sole Source, Funded, May 1, 1999 to March 31, 2000.

“Assessment of the Owner/Contractor Work Structure Process” Sloan Program for the Construction Industry and the Construction Industry Institute, Part II, Stuart D. Anderson, PI, \$72,500, September 1, 1998 to May 31, 2000.

“Assessment of the Owner/Contractor Work Structure Process,” Sloan Program for the Construction Industry, Part I, Stuart D. Anderson, PI, \$15,000, Performed at The University of Texas at Austin, Summer, 1998.

"Improved Contracting Methods for Highway Projects," Transportation Research Board, NCHRP Project 10-49, Stuart Anderson, PI, and Jeffrey Russell, University of Wisconsin-Madison, Co-PI, \$250,000, January 1, 1997 to March 2000, Competitive.

"Constructibility Review Process for Transportation Facilities: Training Workshop" Transportation Research Board, NCHRP Project 10-42, Stuart Anderson, PI, and Deborah Fisher, Co-PI, University of New Mexico, Co-PI, \$50,000, May 15, 1996 - December 31, 1996, Funded as Change to Original Project 10-42.

"Owner/Contractor Alternate Work Process Structures and Guidelines," Construction Industry Institute, Stuart D. Anderson, PI, \$119,900, January 1, 1995 to December 31, 1996.

"Fast Track Reconstruction of Intersection" Texas Department of Transportation, Dan Zollinger, PI, Zaher Khatib, Prairie View A&M, PI, and Stuart D. Anderson Co-PI, \$230,000, September 1, 1994 - August 31, 1996, Competitive.

"Constructibility Review Process for Transportation Facilities," Transportation Research Board, NCHRP Project 10-42, Stuart Anderson, PI, and Deborah Fisher, Co-PI, University of New Mexico, Co-PI, \$250,000, February 15, 1994 - December 31, 1996, Competitive.

"Americans with Disabilities Act: Key Issues for the Design/Construction Industry," Construction Industry Institute, Stuart Anderson, Principal Investigator, \$55,000, November 1, 1992 - September 30, 1993.

"Total Quality Management and Continuous Improvement: A Practical Guide for Capital Projects," Chevron Chemical Company, Stuart Anderson, Principal Investigator, \$62,594, September 1, 1992 - September 15, 1994.

"An Evaluation of the John Gray Institute Report - Managing Workplace Safety and Health: The Case of Contract Labor in the U. S. Petrochemical Industry, July, 1991," The Business Roundtable, James Craig, PI, \$40,000, Stuart Anderson, Faculty Associate, August 1991 to September, 1991.

"Review of Recent User Costs Developments and An Assessment of Future Impact on the Industry," National Coalition for Mechanistic Design, Jeff Memmott, PI, and Stuart Anderson, Faculty Associate, \$21,000, July 1991 to May 1992.

"Task I: Risk Analysis Program for Contingency Evaluation; Task II: Estimate Review Prototype Design; and Task III: Estimate Review Prototype Implementation," Confidential Industry Client, Stuart Anderson and David Chang, Co-PIs, \$10,000, May 1991 to August 1991.

"An Evaluation of the John Gray Institute Preliminary Report - A Study of Safety and Health Practices as They Pertain to the Reliance upon Contractors in Selected Petrochemical Industries," The Business Roundtable, James Craig, PI, \$25,000, Stuart Anderson, Faculty Associate, February 1991 to June, 1991.

"Single Point Urban Interchange Design and Operations Analysis," National Cooperative Highway Research Program, Carroll Messer, \$250,000, Stuart Anderson, Faculty Associate, June 1990 to October, 1991.

"Benefit/Cost Comparison of Continuously Reinforced and Jointed Concrete Pavement," Engineering Excellence Start-Up Fund and Concrete Steel Reinforcing Institute, Dan Zollinger (PI) and Stuart Anderson, Faculty Associate, January 1990 to December 1990.

Internal Funding

"Methodologies for Describing Work Processes," Texas A&M University, Engineering Excellence Fund, Stuart Anderson, Principal Investigator, \$4,000, June 1, 1993 - August 31, 1993.

"Investigation of Computerization in Design Engineering and Impact on Organization Efficiency," Engineering Excellence Start-Up Fund, College of Engineering, Department of Civil Engineering, Stuart Anderson, PI, \$19,782, one graduate student, 1-1-90 to 8-31-92.

Collaborative without Funding

"Integration of Total Quality Management with a Project Management Approach to Capital Projects," E. Lynn Cook and Stuart D. Anderson, Continuation of Research Originally Funded by Chevron Chemical Corporation, 1994 to 1997. Resulted in a ASCE Journal Paper, July/August 1995, and PhD Dissertation.

"Project Safety Practices and Performance," Research with Dr. J. Russell, University of Wisconsin and Dr. E. Jaselskis, Iowa State University, January 1994 - December 1994, Results published in ASCE Journal, March 1995.

"Project Management Success Factors," Research with Dr. J. Russell, University of Wisconsin and Dr. E. Jaselskis, Iowa State University, March, 1993 - May, 1995.

"Case Study of Burlington Cable-Stayed Bridge," Research with Dr. Jeff Russell, University of Wisconsin, and Kevin Swiggum, Graduate Student, University of Wisconsin, September 1992 to March 1993. Results published in ASCE Journal, September 1994.

"Project Success Evaluation for Doswell Project," Confidential Industry Client, Stuart Anderson and Ed Jaselskis, Iowa State University, Co-PIs., February 1991 to July 1991.

PROFESSIONAL DEVELOPMENT

Anderson, S.D., Presented, Overview of NCHRP Project 8-49, “Procedures for Cost Estimation and Management for Highway Projects during Planning, Programming, and Preconstruction,” Cost Estimating Workshop, Sponsored by TRB Task Force AFH10, Accelerating Innovation in the Highway Industry, Washington DC, February 24/25, 2004.

Anderson, S.D., Presenter and Panel Member, “Project Delivery and Contract Strategy Tool,” Conference Implementation Session, Construction Industry Institute, Construction Performance Improvement Conference, Austin, September 21-22, 2003, Invited.

Anderson, S.D., Facilitator for Accelerated Construction Technology Transfer Workshop, Texas Department of Transportation, September 9 and 10, 2003, Dallas, Texas, Sponsored by the AASHTO Technical Implementation Group and the Federal Highway Administration, Invited.

Anderson, S.D., Presenter and Panel Member, “Project Delivery and Contract Strategy Tool,” Conference Implementation Session, Construction Industry Institute, 2003 Annual Conference, Orlando, Florida, July 29-31 2003, Invited.

Anderson, S.D., Facilitator and Presenter, “Pavement Warranty Symposium: Policy, Development, and Implementation,” Sponsored by the Federal Highway Administration, Michigan Department of Transportation, and Michigan’s Local Technical Assistant Program, May 7-9, 2003, Grand Rapids, Michigan, Invited.

Anderson, S.D., Participant in Accelerated Construction Technology Team Workshop, National Expert in Innovative Highway Contracting, Pennsylvania Department of Transportation, April 11 and 12, 2002, Pittsburgh, PA, Sponsored by TRB Task Force A5T60, AASHTO Technical Implementation Group, and the FHWA, Invited.

Anderson, S.D., Participant in Accelerated Construction Technology Team Workshop, National Expert in Innovative Highway Contracting, Indiana Department of Transportation, March 18 and 19, 2002, Indianapolis, IN, Sponsored by TRB Task Force A5T60, AASHTO Technical Implementation Group, and the FHWA, Invited.

Anderson, S.D., Presenter and Panel Member, “Project Delivery and Contract Strategy Tool,” Conference Implementation Session, Construction Industry Institute, Construction Performance Improvement Conference, Austin, Texas, September 24, 2001, Invited.

Anderson, S.D., Presenter and Panel Member, “Project Delivery and Contract Strategy Tool,” Conference Implementation Session, Construction Industry Institute, 2001 Annual Conference, San Francisco, California, August 9, 2001, Invited.

Anderson, S.D., "Owner/Contractor Work Structure Decision Process," Conference Implementation Session, Construction Industry Institute, 2000 Annual Conference, Nashville, Tennessee, August 10, 2000, Invited.

Anderson, S. D., Participated as Panel Speaker, "Walking in the Owner's Shoes," Construction Industry Institute, Construction Project Improvement Conference, September 28, 1999.

Anderson, S. D., Participated as Panel Speaker, " Walking in the Owner's Shoes," Construction Industry Institute Annual Conference, August 12, 1999.

Anderson, S., Participated in a Transportation Research Board, Federal Highway Administration, and Caltrans workshop on Pavement Renewal of Urban Freeways, February 16 to 19, 1998, and June 4, 1998, Irvine, California. Selected as One of 35 Experts to Participate in this Problem Solving Workshop, Invited.

Anderson, S. and Garduno, L. Presentation on Constructibility Review Process for Transportation Facilities at National Quality Initiative Conference, Sponsored by the Alaska Department of Transportation, Anchorage, Alaska, March 2, 1998, Invited.

Anderson, S.D., "Performance Related Specifications: A+B+C+D Bidding: Time+Cost+Quality+Other Important Factors," *Construction Contracting 97: New Contracting Practices-Warranties and Performance Related Specifications*, University of Wisconsin-Madison, Madison, Wisconsin, December 8-10, 1997.

Anderson, S.D., Fisher, D.F., and Garduno, L., "Constructibility Review Process for Transportation Facilities: Training Workshop," Sponsored by the Transportation Research Board, NCHRP Project 10-42, Albuquerque, New Mexico, November 7 and 8, 1996.

Anderson, S. D., Participated on Panel "Owner/Contractor Work Structure," Construction Industry Institute Construction Project Improvement Conference, September 30, 1996.

Anderson, S. D., Participated on Panel "Owner/Contractor Work Structure," Construction Industry Institute Annual Conference, August 7, 1996.

Anderson, S.D., Fisher, D.F., and Garduno, L., "Constructibility for Highway Projects," An National Quality Initiative in Kentucky, Workshop Sponsored by Kentucky Department of Transportation, Lexington, Kentucky, July 15, 1996.

Anderson, S. D., Moderator of Downsizing Panel, Construction Executive Program, Center for Construction Education, Texas A&M University, College Station, TX, January, 1995.

Anderson, S. D., Participated on Panel "TQM at Work," Construction Industry Institute Construction Project Improvement Conference, September 1993.

Anderson, S. D., Participated on Panel "TQM at Work," Construction Industry Institute Annual Conference, August 1993.

Anderson, S. D., Course Instructor with Industry Practitioner, "Americans with Disabilities Act," Construction Management Program, Center for Construction Education, Texas A&M University, College Station, TX, April/September, 1993, and April 1994.

Anderson, S. D., Course Instructor, Construction Industry Institute, "Project Objective Setting," April/July, 1993 and January/July 1994.

Anderson, S. D., Participated in "Americans with Disabilities Act Workshop" with ADA Impacts Task Force, Presented to Construction Owners Association of the TRI-STATE, Cincinnati, Ohio, June 1993.

Anderson, S. D., "Constructability," Developed and Conducted Workshop, Construction Management Program, Center for Construction Education, Texas A&M University, College Station, TX, September/April, 1991, 1992.

Anderson, S. D., "Constructability," Developed and Conducted Workshop, Construction Executive Program, Center for Construction Education, Texas A&M University, College Station, TX, January, 1990, 1991, 1992, 1993.

Anderson, S. D., "CII Survey--The Work Ahead," Presented Workshop, The Business Roundtable 38th National Conference of Local User Council Representatives and Contractors, Point Clear, Alabama, November 13-15, 1989.

UNIVERSITY SERVICE

Member of ABET Committee representing Structures, Geotechnical and Construction Divisions, April 2003 to present.

Scholarship Committee, Member, Appointed, January 1999 to present.

Teaching Reviews for David Trejo, David N. Ford, Luciana Barroso and Kelly Brumbelow Promotion and Tenure Committee, Member, Appointed, January 1999 to June 2000.

Faculty Search Committee--Associate Professor, Chair, Appointed, Construction, September, 1999 to June 2000.

Faculty Search Committee--Associate Professor, Member, Appointed, Construction, June, 1997 to 1998.

Faculty Search Committee--Associate Professor, Member, Appointed, Construction, June, 1996 to 1997.

Faculty Search Committee--Associate Professor, Member, Appointed, Transportation, June, 1996 to 1997.

Construction Facilities Division, Graduate Advisor for Construction, September, 1993 to 1996.

Undergraduate Student Advisor, August 1989 to present, currently 20 students.

Center for Construction Education, Construction Executive Program, Member, CEP Capstone Course Development Committee, May 1991 to December 1992.

Center for Construction Education, Construction Executive Program, Member, Faculty Advisory Committee, 1989 to August, 1993.

Center for Construction Education, Construction Management Program, Member, Faculty Advisory Committee, 1989 to August 1993.

NSF Grant for Minority Scholars Program, Faculty Mentor, November 1989 to 1993.

Faculty Search Committee--Area Leader/CCE Director, Member, Appointed, Construction, September 1992 to June 1993.

Faculty Search Committee--Assistant Professor, Member, Appointed, Construction, December 1989 to August 1990.

High School Relations Committee, Appointed, 1990 to 1993.

Facilities Planning Committee, Member, Appointed, 1990 to 1992.

PROFESSIONAL SERVICE

Specialty Editor, *Journal of Construction Engineering and Management*, ASCE, March 2003 to present.

TRB Committee AFH10, Committee on Construction Management, Chair, Appointed, February 1, 2003 to January 31, 2006. As Chairman of the TRB Committee on Construction Management, AFH10, coordinated peer review and selection of papers for presentation at the 2004 Annual Conference and possible publication in the Transportation Research Board Record, *Journal of the Transportation Research Board*. Eight papers were selected for presentation and five papers were selected for publication.

TRB Committee AFH10, Committee on Construction Management, Member, Appointed, March 1, 1996 to February, 1999, Reappointed March 1, 1999 to February 28, 2002, Reappointed March 1, 2002 to February 28, 2005.

National Cooperative Highway Research Program, Panel Member, NCHRP Project 20-58(1), "Urban Renewal Study for Future Strategic Highway Research Program (F-SHRP)," Appointed, March 1, 2002 to April 30, 2003.

ASCE, Construction Institute, Constructability Committee, Appointed, Member, March 2002 to present.

TRB Task Force A5T71, Task Force on Design-Build, Member, Appointed, January 2002 to present.

FHWA Performance Related Specifications Technical Working Group, Member, Appointed, May 2001 to December 2002.

TTI Session Coordinator, Texas Department of Transportation Short Course, 1999 to present.

TRB Committee A5T60, Task Force on Accelerating Innovation in the Highway Industry, Member, Appointed, September 1999 to February 28, 2002, Reappointed March 1, 2002 to February 28, 2005. (Note: this Task Force was funded to develop strategies for accelerating innovation in the highway industry through the NCRHP program.)

Construction Industry Institute Research Team 165, Project Delivery and Contract Strategy, Member, January 1999 to November 2001.

Associate Editor, *Journal of Management in Engineering*, ASCE, November, 1998 to December 31, 1999.

Editor, Proceedings of Construction Congress V, ASCE, 1997.

Co-Technical Chairman, Construction Congress V, Minneapolis, Minnesota, October, 1997, Appointed, January, 1996 to October, 1997.

ASCE, Engineering Management Publications Committee, Member, Appointed, August 1, 1995 to December 31, 1999.

Reviewer, Papers submitted for presentation and publication in Proceedings, ASCE Construction Research Congress 2003, Oahu, HI, March 19-21, 2003.

Reviewer, Papers submitted for presentation and publication in Proceedings, ASCE Construction Congress III, San Diego, CA., October 24-26, 1995.

Reviewer, Peer reviewed papers for ASCE *Journal of Management in Engineering* and *Journal of Construction Engineering and Management*, and Transportation Research Record, *Journal of the Transportation Research Board* - approximately six to eight papers per year.

ASCE, Construction Research Council, Member, October, 1989 to Present

Construction Industry Institute Research Team #111, Owner/Contractor Work Structure, Appointed, Member, January 1994 to December 1996.

Construction Industry Institute Task Force #50, Americans with Disabilities Act Impacts, Appointed, Member, March 1992 to December, 1993.

American Association of Cost Engineers, Director of Southern California Section, Elected, June 1984 to May, 1986.

American Association of Cost Engineers, Program Chairman of Southern California Section, Appointed, June, 1983 to May, 1984.

CONSULTING

Federal Facilities Council, National Academy of Sciences, "Project Delivery Strategies for Federal Facilities," March 2003 to March 2005.

Construction Industry Institute, "Update Owner/Contractor Work Structure Handbook, Implementation Resource 111-2," November 2002 to April 2005.

Trauner Consulting Services, Inc., Provide Technical Advisory Services for NHI Course #134058, "Alternative Contracting," April 2004 to July 2004.

National Cooperative Highway Research Program, National Academy of Sciences, NCHRP Project 20-5, Topic 33-09, Synthesis of Practice, "Statewide Highway Letting Program Management," March 1, 2002 to January 31, 2004.

Construction Industry Institute, Update Implementation Resource 165-2, "Project Delivery and Contract Strategy Selection: An Owner's Tool," June 2003 to September 2003.

Construction Industry Institute, Development of an Education Training Module, "Project Delivery and Contract Strategy Selection Tools," June 2002 to May 2003.

National Cooperative Highway Research Program, National Academy of Sciences, NCHRP Project 20-5, Topic 30-12, Synthesis of Practice, "Techniques to Minimize Lane Occupancy During Construction and Maintenance," January 1, 1999 to June 30, 2000.

Construction Industry Institute, Development of an Education Training Module, Optimizing Owner/Contractor Core Competencies for Project Success, June 1998 to April, 2000.

Dallas County Commissioners Court, Performance Audit of Project Management Activities of the Dallas County Public Works Department, May, 1997 to January, 1998.

AWARDS AND HONORS

Thompson, B.P., Anderson, S.D., Russell, J.S., and Hanna, A.S., 2002 Best Peer Reviewed Paper Award, Awarded by the American Society of Civil Engineers for the Paper, "Guidelines for Warranty Contracting for Highway Construction," Published in the *Journal of Management in Engineering*, July/August 2002.

Construction Industry Institute Outstanding Researcher for 1997, Construction Industry Institute, Austin, Texas, August 1997. Awarded for research on the Owner/Contractor work structure process.

Swiggum, K., Anderson, S., and Russell, J.S., 1996 Thomas Fitch Roland Prize, Awarded by the American Society of Civil Engineers for the Paper, "Case Study of Burlington Cable-Stayed Bridge" Published in the *Journal of Construction Engineering and Management*, September, 1994.

Zachry Teaching Excellence Award, May 1993, Texas A&M University, Department of Civil Engineering, \$6,000 award.

ASCE, Construction Management Fellowship, September, 1971, University of Illinois

W. E. O'Neil Fellowship, June 1972, University of Illinois

PROFESSIONAL SOCIETIES

Transportation Research Board
American Society of Civil Engineers
Project Management Institute