

# WILLIAM D. LAWSON, P.E., PH.D.

## CAREER SUMMARY

William D. Lawson, P.E., Ph.D. has over 25 years experience in engineering education and consulting practice. His career in higher education is characterized by excellence and innovation in teaching, award-winning scholarship and sponsored research, and professional service at the national, regional and local levels. As a consulting engineer, Dr. Lawson has provided project management and technical oversight for geotechnical, materials, transportation, environmental, and facilities projects nationwide.

## EDUCATION

Texas Tech University, Lubbock, TX	Doctor of Philosophy	Civil Engineering	2004
Dallas Theological Seminary, Dallas, TX	Certificate of Graduate Studies	Biblical Studies	1997
Texas A&M University, College Station, TX	Master of Science	Civil Engineering	1984
Texas A&M University, College Station, TX	Bachelor of Science	Civil Engineering	1982

## ACADEMIC APPOINTMENTS

Assistant Professor	Department of Civil & Environmental Engineering	Texas Tech University	Sep. 2006 to present
Visiting Assistant Professor	Civil Engineering Department	Texas Tech University	2005-2006
Deputy Director	National Institute for Engineering Ethics	Texas Tech University	2001-2006
Deputy Director	Murdough Center for Engineering Professionalism	Texas Tech University	1998-2005
Lecturer & Senior Research Assoc.	Civil Engineering Department	Texas Tech University	1998-2004
Executive Director	National Institute for Engineering Ethics		1999-2001
Graduate Research & Teaching Asst.	Civil Engineering Department	Texas A&M University	1983-1984

## PROFESSIONAL PRACTICE/ CONSULTING EXPERIENCE

Principal	William D. Lawson, P.E., Ph.D. Consulting Engr.	Lubbock, TX	1998 to present
Principal Engineer	Law Engineering and Environmental Services, Inc.	Dallas, TX	1996-1998
Senior Engineer	Law Engineering and Environmental Services, Inc.	Dallas, TX	1993-1996
Structural Engineer	Master Consultants, Inc.	Wylie, TX	1992-1993
Geotechnical Project Manager	Trinity Engineering Testing Corporation	Dallas, TX	1991-1992
Geotechnical Engineer	Trinity Engineering Testing Corporation	Waco, TX	1989-1991
Graduate Engineer	Trinity Engineering Testing Corporation	Austin & Abilene, TX	1985-1989
Surveyor & Graduate Engineer	Jay Garrett Engineer	Texas City, TX	1984

## PRE-PROFESSIONAL PREPARATION

Engineer Assistant	Riewe & Wischmeyer Consulting Engineers	College Station, TX	1982
Engineer Assistant	Roden & Associates Consulting Engineers	Waco, TX	1981
Assistant Superintendent	Sycon Construction Company	Bryan, TX	1980
Structural Steel/Rebar Fabricator	Davis Iron Works	Hewitt, TX	1979
Construction Laborer	Robert E. McKee Construction Company	Temple, TX	1978
Water Well Driller's Helper	Lawson Drilling Company	Temple, TX	1967-1978

## PROFESSIONAL LICENSURE & REGISTRATION

Licensed Professional Engineer, Civil - Texas #66490  
Registered Engineering Firm – Texas #F-3560

## HONORS, AWARDS AND RECOGNITION

- 2006 Recognition for Outstanding Teaching, College of Engineering Honors Convocation, Texas Tech University
- 2005 Recognition for Outstanding Teaching, College of Engineering Honors Convocation, Texas Tech University
- 2003-04 Best Paper Award, ASCE *Journal of Professional Issues in Engineering Education and Practice*
- 2003 Top Research Innovation, Texas Department of Transportation Research & Technology Implementation
- 2003 Best of Session Paper, Texas Section ASCE
- 2003 Recognition for Outstanding Teaching, College of Engineering Honors Convocation, Texas Tech University
- 2002-03 Best Paper Finalist, ASCE *Journal of Professional Issues in Engineering Education and Practice*
- 1997 Best of Session Paper, Texas Section ASCE
- 1996 Best of Session Paper, Texas Section ASCE

## PROFESSIONAL MEMBERSHIPS & ASSOCIATIONS

Member, American Society of Civil Engineers  
Member, ASFE: The Best People on Earth  
Member, National Society of Professional Engineers  
Member, Texas Society of Professional Engineers  
Member, Association for Practical and Professional Ethics  
Member, Chi Epsilon

## REFEREED JOURNAL PUBLICATIONS

Lawson, William D. and Hossain, M. Shabbir, "Best Practices for Pavement Edge Maintenance: The Farm-to-Market Road System in Texas," *Journal of the Transportation Research Board*, Paper No. 9LVR-0444 (accepted for publication - 2007).

Lawson, William D., "Not Making the Grade: Expansive Soils and Higher Education in Texas," *Journal of Professional Issues in Engineering Education and Practice*, American Society of Civil Engineers. (In press, est. publication, 2005-06).

Lawson, William D., "Professionalism, the Golden Years," *Journal of Professional Issues in Engineering Education and Practice*, American Society of Civil Engineers, Vol. 130, No. 1, January 2004, pp.26-36. (Winner, 2003-04 Best Paper Award)

Lawson, William D., "In Defense of a Little Theory," *Journal of Professional Issues in Engineering Education and Practice*, American Society of Civil Engineers, Vol. 128, No. 4, October 2002, pp. 206-211. (Finalist, 2002-03 Best Paper Award)

## SELECTED CONFERENCE PROCEEDINGS PAPERS

Lawson, William D., "A Survey of Geotechnical Practice for Expansive Soils in Texas," *Unsaturated Soils 2006, Volume One*, Proceedings of the Fourth International Conference on Unsaturated Soils, Geotechnical Special Publication No. 147, American Society of Civil Engineers, Carefree, AZ, April 2006.

Lawson, William D., "Expansive Soils and Higher Education in Texas (Summary Report)," *Proceedings*, Texas Section, American Society of Civil Engineers, Spring Meeting, Corpus Christi, Texas, April 4, 2003 (Winner, 2003 Best of Session)

Lawson, William D., "The McDonaldization of Engineering," *Civil Engineering Education Issues 2001, Proceedings of the Third National Congress on Civil Engineering Education*, ASCE National Meeting, Houston, TX, October 2001, Donn Hancher, ed.

## SELECTED PROJECT TECHNICAL REPORTS

Lawson, William D., Michael Leaverton and Sanjaya Senadheera, *Maintenance Solutions for Bleeding and Flushed Pavements Surfaced with a Seal Coat or a Surface Treatment*, TxDOT Report No. FHWA/TX-06/0-5230-R1, TechMRT: Multidisciplinary Research in Transportation, Lubbock, TX, February 2007.

Lawson, William D., and Leaverton, Michael, *Capabilities/Limitations and Recommendations for Transporting TxDOT's Heavy-Duty Off-Road Construction and Maintenance Equipment Fleet*, Research Report, TxDOT Report No. FHWA/TX-05/0-4575-R1, TechMRT: Multidisciplinary Research in Transportation, Lubbock, TX, March 2007.

Lawson, William D. and Hossain, M. Shabbir, *Best Practices for Pavement Edge Maintenance*, Research Report, TxDOT Report No. FHWA/TX-04/0-4396-1, TechMRT: Multidisciplinary Research in Transportation, Lubbock, TX, May 2004, 215 pp.

Lawson, William D., *Best Practices for Pavement Edge Maintenance*, Training Manual, TxDOT Project No. 0-4396, TechMRT: Multidisciplinary Research in Transportation, Lubbock, TX, February 2003, 125 pp. (Winner, 2003 Top Research Innovation)

## INVITED PRESENTATIONS, LECTURES, & KEYNOTE ADDRESSES (SELECTED)

Highlights: Maintenance Solutions for Bleeding and Flushed Pavements	Texas Department of Transportation, RMC-1 Meeting	Arlington, TX	2006
GEO101; Basic Geotechnical Engineering for Roadways (24 PDH)	Texas Department of Transportation	Austin, TX	2006
Best Practices for Pavement Edge Maintenance	TRB Annual Mtg., Pavement Edge Drop-offs	Washington, DC	2005
Highlights: Equipment Transport Research	TRB Annual Mtg., Maintenance Equipment Com.	Washington, DC	2005
Best Practices for Pavement Edge Maintenance	FHWA Managing Pavement Edge Drop-offs Conf	Atlanta, GA	2004