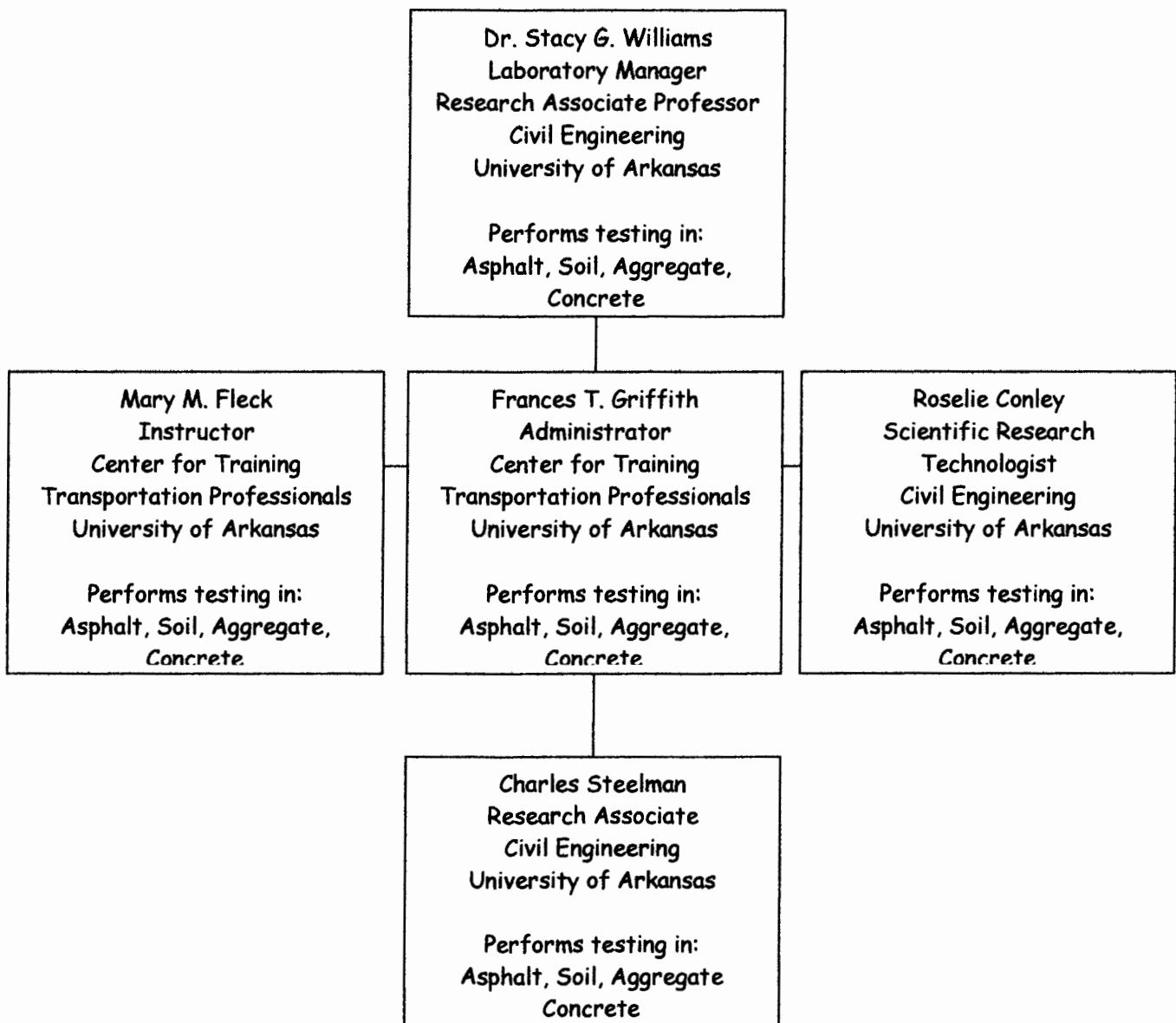


## 2.1 Outline of Operational Personnel:



## **STACY GOAD WILLIAMS, Ph.D., P.E.**

---

479.575.2220

700 Research Center Blvd.  
Fayetteville, AR 72701  
sgwill@uark.edu

479.575.7639(fax)

**EDUCATION:** BSCE University of Arkansas, December 1994  
MSCE University of Arkansas, May 1998  
Ph.D. University of Arkansas, August 2001

### **CURRENT POSITION:**

Research Associate Professor, University of Arkansas, July 2011-Present

- Coordination of an active research program relating to efficient transportation materials and construction
  - Warm Mix Asphalt – reduces emissions and energy usage, increases worker safety
  - Pavement Recycling – encourages sustainable practices for roadway improvements
  - Thin Asphalt Overlays (4.75mm) – a cost-effective alternative for maintenance applications
  - Aggregate Quality – considers use of marginal materials for pavement construction
- Direction of graduate students to successful completion of research projects and theses
- Maintenance of national accreditation for civil engineering materials laboratories
- Instruction of undergraduate and graduate courses in civil engineering

### Other Duties:

Director, Center for Training Transportation Professionals (CTTP)

- Oversight of training and certification program for highway agency and contractor personnel
- Course development, instruction, and periodic review of training materials
- Management of personnel and budget relating to CTTP
- Communication with Arkansas Highway and Transportation Department to meet agency/industry needs
- Direct instruction for primary CTTP courses (Basic Aggregates, Concrete, Soils, and Hot Mix Asphalt)

### **PROFESSIONAL EXPERIENCE:**

#### Teaching and Research:

Research Assistant Professor, University of Arkansas, August 2001-June 2011

Senior Graduate Research Assistant, 1996-2001

Instructor, certification short courses for the Center for Training Transportation Professionals, 1999-Present

#### Industrial/Consulting:

Contact Engineer, Exxon Company, USA, Baytown Refinery, Baytown, Texas, 1995-1996

Responsible for project engineering duties focusing on marine, environmental, piping, and tankage projects.

### **PROFESSIONAL REGISTRATION:**

Registered Professional Engineer, Arkansas #11079

### **PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS:**

Thickness Design of Cement-Stabilized Bases, Portland Cement Association, webinar, July 7, 2011.

BMP Maintenance: Don't Get Caught With Your Fence Down, Stormwater USA, webinar, June 21, 2011.

Mix Design and Specifications for Cement-Stabilized Bases, Portland Cement Association, webinar, June 9, 2011.

Full-Depth Reclamation with Cement, Portland Cement Association, webinar, May 17, 2011.

Thickness Design of Roller-Compacted Concrete Pavements, Portland Cement Association, webinar, April 21, 2011.

Excelling as a Manager or Supervisor Seminar, Fayetteville, AR, March 21, 2011.

Taking Control of Your Most Difficult, Frustrating, & Aggravating Employees, webinar, March 3, 2011.

Characterization and Prediction of Moisture Induced Damage in Hot/Warm Asphalt Mixtures, webinar, Nov. 29, 2010.

Arkansas Portland Cement Concrete Pavement Conference, Oklahoma/Arkansas Chapter, ACPA, Little Rock, AR, Aug. 2010.

Recycled Asphalt Shingles – Industry Experiences, webinar, June 15, 2010.

NHI Innovations: High Friction Surface Treatments for Horizontal Curves, webinar, May 24, 2010.

4<sup>th</sup> International Asphalt Shingle Recycling Forum, Chicago, Illinois, November 5-6, 2009.

Associate Concrete Transportation Construction Inspector Certification, American Concrete Institute, October 2009.

Stormwater 101: The Basics, United States Environmental Protection Agency, webcast, July 2008.  
Professor's Seminar – Design, Construction, and Rehabilitation of Concrete Pavements, American Concrete Pavement Association, Skokie, Illinois, June 2008.  
Materials Selection and Pavement Design Workshop, Fayetteville, Arkansas, January 2008.  
What Everyone Should Know (WESK), The American Traffic Safety Services Association, Little Rock, Arkansas, Oct. 2007.  
E-Learning Sandbox, Federal Highway Administration, August to October, 2006.  
Municipal Paving Seminar, Fayetteville, Arkansas, October 2003.  
Concrete Driveway and Parking Lot Seminar, Fort Smith, Arkansas, August 2002.  
Concrete Strength Testing Technician, American Concrete Institute, September 2002.  
HazMat Certification as required by U.S. Department of Transportation for transport of hazardous materials, certification maintained 1999 to present.

## TEACHING

### COURSES TAUGHT:

CVEG 1012 – Civil Engineering Fundamentals, undergraduate level (2002)  
Average student ratings 4.2/5.0  
CVEG 3413 – Transportation Engineering, undergraduate level (2007, 2010)  
Average student ratings 3.9/5.0  
CVEG 4433 – Transportation Pavements and Materials, undergraduate level (2005, 2008)  
Average student ratings 4.0/5.0  
CVEG 563V – Experimental Design Statistics, graduate level (2002, 2004, 2006, 2008)  
Average student ratings 4.7/5.0

### MENTORING:

2 MSCE students to completion  
4 MSCE students in progress  
16 MSCE committees  
1 Ph.D. student in progress  
2 Ph.D. committees  
1 Undergraduate Honors student to completion  
1 Undergraduate Honors committee

## RESEARCH

### PRINCIPAL PUBLICATIONS:

#### Peer Reviewed Journals and Publications:

- Williams, Stacy G.**, "Comparison of the Superpave Gyrotory and Proctor Compaction Methods for the Design of Roller-Compacted Concrete Pavements", *Transportation Research Record: Journal of the Transportation Research Board*, Transportation Research Board of the National Academies, Washington D.C., 2013.
- Williams, Stacy G.**, "Density, Permeability, Infiltration, and Absorption Used to Assess Quality of HMA Longitudinal Joints", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2228, pp. 120-127, Transportation Research Board of the National Academies, Washington D.C., 2011.
- Wang, Kelvin P., Hou, Zhiqiong, and **Stacy G. Williams**, "Comparison Analysis of Project Level Automated Cracking Survey", *Journal of the American Society of Civil Engineers*, August 2011.
- Williams, Stacy G.**, and Anna A. McGraw, "Laboratory Determination of Maximum Theoretical Specific Gravity for Roller-Compacted Concrete", *TRB 89<sup>th</sup> Annual Meeting compendium of Papers Pre-print CD*, Transportation Research Board of the National Academies, Washington D.C., January 2010.
- Williams, Stacy G.**, Pervis, Ashly, Bhupathiraju, Leela S., and Annette M. Porter, "Methods for Evaluating Longitudinal Joint Quality in Asphalt Pavements", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2098, pp. 113-123, Transportation Research Board of the National Academies, Washington D.C., 2009.

Bennert, Thomas and **Stacy G. Williams**, "Precision of AASHTO TP62-07 for Use in the Mechanistic Empirical Pavement Design Guide for Flexible Pavements", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2127, pp. 115-126, Transportation Research Board of the National Academies, Washington D.C., 2009.

**Williams, Stacy G.** and Kevin D. Hall, "Critical Factors Affecting the Field Determination of HMA Density Using Non-Nuclear Devices", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2081, Transportation Research Board of the National Academies, Washington D.C., 2008.

**Williams, Stacy G.**, "Bulk Specific Gravity Measurements of 25.0mm and 37.5mm Coarse-Graded Superpave Mixes", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2001, Transportation Research Board of the National Academies, Washington D.C., 2007.

**Williams, Stacy G.**, "Sample Size Requirements for Field Permeability Measurements of Hot-Mix Asphalt Pavements", *Transportation Research Record: Journal of the Transportation Research Board*, No. 2001, Transportation Research Board of the National Academies, Washington D.C., 2007.

**Williams, Stacy G.**, "Mathematical Relationships for Various Methods of Measurement of Bulk Specific Gravity of Hot-Mix Asphalt", *TRB 84<sup>th</sup> Annual Meeting compendium of Papers Pre-print CD*, Transportation Research Board of the National Academies, Washington D.C., January 2005.

**Williams, Stacy G.**, "The Effects of HMA Mixture Characteristics on Rutting Susceptibility", *TRB 82<sup>nd</sup> Annual Meeting Compendium of Papers Pre-print CD*, Transportation Research Board of the National Academies, Washington D.C., 2003.

Hall, Kevin D., **Williams, Stacy G.**, and Frances T. Griffith, "Examination of Gamma-Ray Method for Measuring Bulk Specific Gravity of Hot-Mix Asphalt Concrete", *Transportation Research Record: Journal of the Transportation Research Board*, No. 1832, Transportation Research Board of the National Academies, Washington D.C., 2003.

Hall, Kevin D. and **Stacy G. Williams**, "Establishing Variability for Hot-Mix Asphalt Construction in Arkansas", *Transportation Research Record: Journal of the Transportation Research Board*, No. 1813, Transportation Research Board of the National Academies, Washington D.C., 2002.

**Williams, Stacy G.** and Kevin D. Hall, "A Comparison of Ovens Used in Determining Binder Content by the Ignition Method", *Journal of the Association of Asphalt Paving Technologists*, Vol. 70, 2001.

Hall, Kevin D., Griffith, Frances T., and **Stacy G. Williams**, "An Examination of Operator Variability for Selected Methods for Measuring Bulk Specific Gravity of Hot-Mix Asphalt Concrete", *Transportation Research Record: Journal of the Transportation Research Board*, No. 1761, Transportation Research Board of the National Academies, Washington D.C., 2001.

Hall, Kevin D., **Williams, Stacy G.**, and Jason H. Williams, "The Effect of the Ignition Method for Asphalt Content on Aggregate Properties for Arkansas Aggregates", *Journal of the Association of Asphalt Paving Technologists*, Vol. 68, 1999.

#### Abstract Reviewed Journals and Proceedings:

**Williams, Stacy G.**, Becknell, Nathan L., and Kevin D. Hall, "A Comparison of the Frictional Properties of 4.75 and 12.5 mm HMA Surface Mixes", *Proceedings*, Annual Meeting of the Canadian Technical Asphalt Association, Moncton, New Brunswick, Canada, November 2009.

Hall, Kevin D. and **Stacy G. Williams**, "Development and Implementation of Specifications Related to the Internal Angle of Gyration for the Superpave Gyratory Compactor", *Proceedings*, Annual Meeting of the Canadian Technical Asphalt Association, Moncton, New Brunswick, Canada, November 2009.

**Williams, Stacy G.**, "Field Permeability Measurements of Coarse-Graded Asphalt Pavements", *Proceedings*, International Symposium on Asphalt Pavements and Environment, International Society for Asphalt Pavements, Zurich, Switzerland, August 2008.

**Williams, Stacy G.**, "Permeability and Surface Friction of 4.75mm Superpave Mixtures", *Proceedings*, International Symposium on Asphalt Pavements and Environment, International Society for Asphalt Pavements, Zurich, Switzerland, August 2008.

**Williams, Stacy G.** and Kevin D. Hall, "An Evaluation of Impedance Gauge Calibration Methods for HMA Density", *Proceedings*, 10<sup>th</sup> International Conference on Applications of Advanced Technologies in Transportation, Athens, Greece, May 2008.

Hall, Kevin D. and **Stacy G. Williams**, "Precision of Non-Destructive Test Methods for Field Density of Asphalt Pavements", *Proceedings*, 10<sup>th</sup> International Conference on Applications of Advanced Technologies in Transportation, Athens, Greece, May 2008.

**Williams, Stacy G.**, "An Investigation of the Design Parameters Affecting the Microtexture and Macrotexture of 4.75mm Superpave Mixtures", *Proceedings*, 2008 International Safer Roads Conference, Cheltenham, England, U.K., May, 2008.

Hall, Kevin D. and **Stacy G. Williams**, "Effects of Specimen Configuration and Compaction Method on Performance in Asphalt Wheel-Tracking Tests", *Proceedings of the 44<sup>th</sup> Annual Conference of the Canadian Technical Asphalt Association*, CTAA, Quebec City, QC, Canada, 1999.

Hall, Kevin D., **Goad, Stacy D.**, and Corrie Walton-Macaulay, "Potential Effects of Superpave Implementation on the Arkansas Aggregate Industry", *Proceedings*, 48<sup>th</sup> Highway Geology Symposium, Knoxville, Tennessee, Sept. 1997.

#### Final Project Reports:

**Williams, Stacy G.** and Anna M. McFarland, "Roller Compacted Concrete for Roadway Paving", *Final Report*, TRC-1005, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, August 2013.

**Williams, Stacy G.** and Joshua D. King, "Recycled Asphalt Shingles in Asphalt Pavements", *Final Report*, TRC-1101, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, July 2013.

**Williams, Stacy G.** and Annette M. Porter, "An Investigation of Warm Mix Asphalt Design and Construction", *Final Report*, TRC-1004, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, July 2012.

**Williams, Stacy G.** and Joshua B. Cunningham, "Evaluation of Aggregate Durability Performance Test Procedures", *Final Report*, TRC-0905, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, April 2012.

**Williams, Stacy G.**, "HMA Longitudinal Joint Evaluation and Construction", *Final Report*, TRC-0801, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, February 2011.

**Williams, Stacy G.**, "Non-Nuclear Methods for HMA Density Measurements", *Final Report*, MBTC 2075, Mack-Blackwell Rural Transportation Center, Fayetteville, Arkansas, June 2008.

**Williams, Stacy G.**, "Surface Friction Measurements of Fine-Graded Asphalt Mixtures", *Final Report*, MBTC 2066, Mack-Blackwell Rural Transportation Center, Fayetteville, Arkansas, June 2008.

**Williams, Stacy G.**, "A Comprehensive Study of Field Permeability Using the Vacuum Permeameter", *Final Report*, MBTC 2054, Mack-Blackwell Rural Transportation Center, Fayetteville, Arkansas, June 2006.

**Williams, Stacy G.**, "Development of 4.75mm Superpave Mixes", *Final Report*, MBTC 2030 Mack-Blackwell Rural Transportation Center, Fayetteville, Arkansas, May 2006.

**Williams, Stacy G.**, "Effects of Various HMA Material Properties on Pavement Performance", *Final Report*, TRC-0301, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, May 2006.

**Williams, Stacy G.**, "Alternative Test Methods for Air Voids and Field Density", *Final Report*, TRC-0306, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, April 2006.

**Williams, Stacy G.** and Kevin D. Hall, "ERSA Wheel-Track Testing for Rutting and Stripping", *Final Report*, TRC-9804, Arkansas State Highway and Transportation Department, Little Rock, Arkansas, March 2004.

Hall, Kevin D. and **Stacy G. Williams**, "Acquisition and Evaluation of Hamburg Wheel-Tracking Device, *Project Final Report*, MBTC FR-1044, Mack-Blackwell Rural Transportation Center, Fayetteville, Arkansas, 1998.

**Goad, Stacy D.** and Kevin D. Hall, "SHRP Level I Mix Designs for Arkansas", *Implementation Report*, TRC-9604, Arkansas Highway and Transportation Department, Little Rock, Arkansas, June 1997.

Other Publications:

**Williams, Stacy G.**, "ASTM and RCC", The Concrete Producer Update, December Newsletter, 2011.

**Williams, Stacy G.**, "Development of Wheel-Tracking Test Method and Performance Criteria for Asphalt Pavements", *Doctoral Dissertation*, University of Arkansas, Fayetteville, Arkansas, December 2001.

**Williams, Stacy G.**, "Flexible Pavement Design Considerations for Subdivisions", *Journal of the Missouri Valley Section of the Institute of Transportation Engineers (MOVITE)*, Summer 2000.

**Goad, Stacy D.**, "Superpave Mixture Design Implementation in Arkansas", *Master's Thesis*, University of Arkansas, Fayetteville, Arkansas, May 1998.

## SERVICE

### PROFESSIONAL:

Member, Technology Transfer Committee ABG30, Transportation Research Board (2012 to present)

Member, American Society for Testing and Materials – D09 (2009 to present)

Member, American Society for Testing and Materials – D04 (2008 to present)

Co-chair, Southeastern Asphalt User-Producer Group Training Task Force (2007 to present)

Member, American Society of Civil Engineers (2006 to 2011)

### UNIVERSITY OF ARKANSAS:

Honors Program Committee, College of Engineering (2007 to 2010)

Undergraduate Programs Committee, Department of Civil Engineering (2006 to 2010)

Facilities Committee, Department of Civil Engineering (2006 to present)

Chairman, Publications Committee, Civil Engineering Alumni Society (2004 – 2006)

Mentor, George Washington Carver Project (May and June, 2004)

Radiation Safety Committee (2002 to present)

Laboratory Manager, AMRL/CCRL accreditation (2001 to present)

Radiation Safety Coordinator, Department of Civil Engineering (2001 to present)

Director, Women in Engineering – mentoring program (1999 – 2001)

### OTHER:

Director, Center for Training Transportation Professionals (2005 to present)

Director, CTPP Laboratory Certification Program (2003 to 2011)

Primary Instructor, CTPP (108 short courses instructed 2001 to present)

Examiner, ACI Field Testing Technician I (2003 to present)

Examiner, ACI Strength Testing Technician (2006 to present)

Examiner, ACI Aggregate Testing Technician – Grade 1 (2006 to present)

Examiner, ACI Aggregate Testing Technician – Grade 2 (2006 to present)

Professional Engineering Transportation Exam Review (8 sessions held 2005 to present)

### HONORS AND AWARDS:

Nominated for the 2009 Practice-Ready Paper Award by the Design and Construction Group of the Transportation Research Board – (one to two percent of papers are nominated). Paper – "Precision of AASHTO TP62-07 for Use in the Mechanistic Empirical Pavement Design Guide for Flexible Pavements"

Fred Burggraf Award, Paper Award for Excellence in Transportation Research by Researchers 35 Years of Age and Younger, Transportation Research Board, 2007. Paper - "Bulk Specific Gravity Measurements of 25.0-mm and 37.5-mm Coarse-Graded Superpave Mixes"

Nominated for the 2007 Practice-Ready Paper Award by the Design and Construction Group of the Transportation Research Board – (one to two percent of papers are nominated). Paper - "Bulk Specific Gravity Measurements of 25.0-mm and 37.5-mm Coarse-Graded Superpave Mixes".

1<sup>st</sup> Place Award – Thomas J. Seburn Student Paper Competition, Missouri Valley Section of the Institute of Transportation Engineers (MOVITE), March 2000

P.E.O. Scholar Award, 1999

Eisenhower Graduate Fellowship – Ph.D. level, U.S. Department of Transportation, 1998

Missouri Valley Institute of Transportation Engineers Student Scholarship, 1998

Mack-Blackwell National Rural Transportation Center Student of the Year, 1998

William Randolph Hearst Foundation Fellow, 1997-2000

Eisenhower Graduate Fellowship – Masters level, U.S. Department of Transportation, 1996



Center for Training  
Transportation Professionals

## Technician Training and Certification Program

*To all to whom these presents may come, be it known that*

**Stacy G. Williams**

*has successfully completed classroom and laboratory training in*

**Basic Aggregates**

*on this 6th day of August, 1997, and is entitled to all rights and privileges thereto appertaining.*



**MBTC**

Mack-Blackwell National Rural  
Transportation Study Center

Registration No.

**1249**

*[Signature]*  
Instructor, CTPP

*[Signature]*  
Administrator, CTPP





Technician No.  
**1249**

**cttp**  
Center for Training  
Transportation Professionals



UNIVERSITY OF  
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Expiration Date:  
**06/30/2015**

## Technician Training and Certification Program

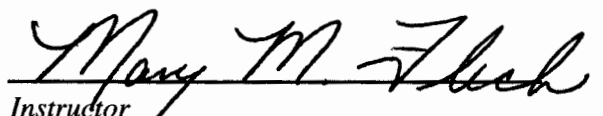
This document asserts

**Stacy G. Williams**

Has successfully completed classroom and laboratory training on March 4, 2011 in

# Hot Mix Asphalt Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor  
Center for Training Transportation Professionals

  
Administrator  
Center for Training Transportation Professionals



Technician No.  
**1249**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**12/31/2016**

## Technician Training and Certification Program

This document asserts

**Stacy G. Williams**

Has successfully completed classroom and laboratory training on August 10, 2012 in

## Soils Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

Instructor  
Center for Training Transportation Professionals

Administrator  
Center for Training Transportation Professionals



American Concrete Institute  
Advancing concrete knowledge

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## ACI Certification Certified Personnel

### Search Results

**Certification ID:** 00025878

Items 1 - 3 out of 3 matching your search criteria are shown below. Click **Search Again** to initiate a new search.

**Williams Stacy G**

ACI ASSOCIATE CONCRETE TRANSPORTATION CONSTRUCTION INSPECTOR

Expires: October 15, 2014

Fayetteville, AR 72701-7175

**Williams Stacy G**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: April 8, 2014

Fayetteville, AR 72701-7175

**Williams Stacy G**

ACI CONCRETE STRENGTH TESTING TECHNICIAN

Expires: April 7, 2015

Fayetteville, AR 72701-7175

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Technician No.  
**1005**

**cttp**  
Center for Training  
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UNIVERSITY OF  
ARKANSAS  
Expiration Date:  
**N/A**

## Technician Training and Certification Program

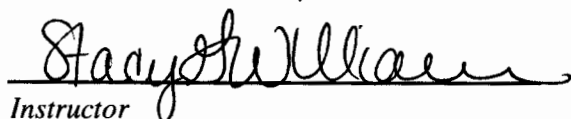
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**Frances T. Griffith**

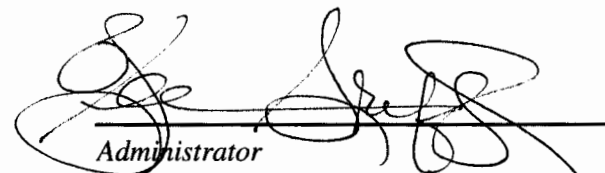
Has successfully completed classroom and laboratory training on November 8, 1998 in

## Basic Aggregates Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor

Center for Training Transportation Professionals

  
Administrator

Center for Training Transportation Professionals



Technician No.  
**1005**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
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Expiration Date:  
**06/30/2015**

## Technician Training and Certification Program

This document asserts

**Frances T. Griffith**

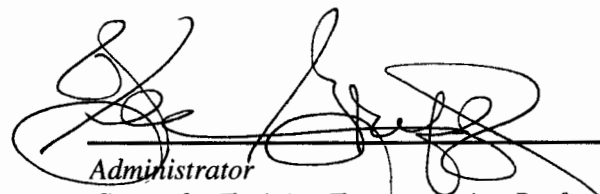
Has successfully completed classroom and laboratory training on March 4, 2011 in

## Hot Mix Asphalt Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.



Instructor  
Center for Training Transportation Professionals



Administrator  
Center for Training Transportation Professionals



Technician No.  
**1005**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
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Expiration Date:  
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## Technician Training and Certification Program

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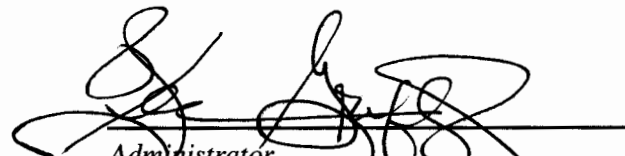
**Frances T. Griffith**

Has successfully completed classroom and laboratory training on August 10, 2012 in

## Soil Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor  
Center for Training Transportation Professionals

  
Administrator  
Center for Training Transportation Professionals

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## ACI Certification Certified Personnel

### Search Results

**Last name:** Griffith

**Location:** AR

Items 1 - 6 out of 6 matching your search criteria are shown below. Click **Search Again** to initiate a new search.

**Griffith Frances T**

ACI ASSOCIATE CONCRETE CONSTRUCTION INSPECTOR

Expires: November 2, 2016

Fayetteville, AR 72701-7175

**Griffith Frances T**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: June 30, 2016

Fayetteville, AR 72701-7175

**Griffith Frances T**

ACI CONCRETE FLATWORK TECHNICIAN

Expires: April 14, 2016

Fayetteville, AR 72701-7175

**Griffith Frances T**

ACI CONCRETE LABORATORY TESTING TECHNICIAN - LEVEL 1

Expires: April 7, 2015

Fayetteville, AR 72701-7175

**Griffith Frances T**

ACI CONCRETE STRENGTH TESTING TECHNICIAN

Expires: April 7, 2015

Fayetteville, AR 72701-7175

**Griffith Lauren E**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: April 10, 2018

Siloam Springs, AR 72761-2112

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## Technician Training and Certification Program

*To all to whom these presents may come, be it known that*

**Mary M. Fleck**

*has successfully completed classroom and laboratory training in*

**Basic Aggregates**

*on this* **12th** *day of* **March**, 1997, and is entitled to all rights and privileges thereto appertaining.




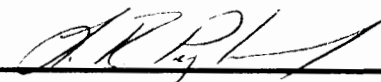
**MBTC**

Mack-Blackwell National Rural  
Transportation Study Center

REGISTRATION NO.

11056

  
Instructor, CTTP

  
Administrator, CTTP





Technician No.  
**1056**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**6/30/2017**

## Technician Training and Certification Program

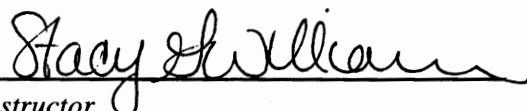
This document asserts

**Mary Fleck**

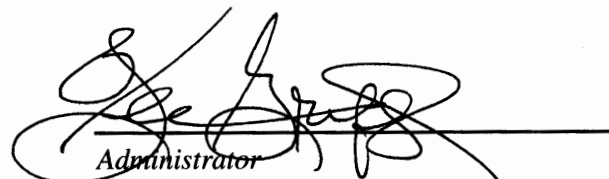
Has successfully completed classroom and laboratory training January 18, 2013 in

# Hot Mix Asphalt Testing Technician

And is entitled to all rights and privileges thereto appertaining with expiration date noted above.



Instructor  
Center for Training Transportation Professionals



Administrator  
Center for Training Transportation Professionals



Technician No.  
**1056**

**cttp**  
Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**6/30/2017**

## Technician Training and Certification Program

This document asserts

**Mary Fleck**

Has successfully completed classroom and laboratory training on January 25, 2013 in

## Soils Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor

Center for Training Transportation Professionals

  
Administrator

Center for Training Transportation Professionals

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## ACI Certification Certified Personnel

### Search Results

**Last name:** fleck

**Location:** AR

Items 1 - 2 out of 2 matching your search criteria are shown below. Click **Search Again** to initiate a new search.

**Fleck Mary M**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: June 22, 2017

Fayetteville, AR 72704-6055

**Fleck Mary M**

ACI CONCRETE STRENGTH TESTING TECHNICIAN

Expires: April 7, 2015

Fayetteville, AR 72704-6055

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**CTTP**

Center for Training  
Transportation Professionals



## Technician Training and Certification Program

*To all to whom these presents may come, be it known that*

**Roselie Conley**

*has successfully completed classroom and laboratory training in*

**Basic Aggregates**

*on this 16th day of February, 2000, and is entitled to all rights and privileges thereto appertaining.*



**MBTC**

Mack-Blackwell National Rural  
Transportation Study Center

Registration No.

**1694**

*[Signature]*  
Instructor, CTTP

*[Signature]*  
Administrator, CTTP



Technician No.  
**1694**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**12/31/2013**

## Technician Training and Certification Program

This document asserts

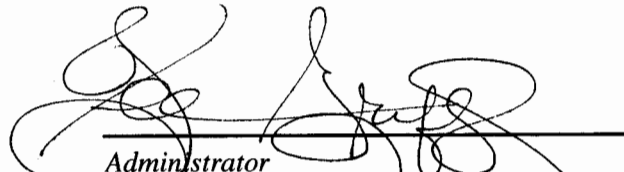
**Roselie Conley**

Has successfully completed classroom and laboratory training on August 14, 2009 in

# Hot Mix Asphalt Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor  
Center for Training Transportation Professionals

  
Administrator  
Center for Training Transportation Professionals



Technician No.  
**1694**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**12/31/2016**

## Technician Training and Certification Program

This document asserts

**Roselie Conley**

Has successfully completed classroom and laboratory training on August 10, 2012 in

# Soils Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

Instructor  
Center for Training Transportation Professionals

Administrator  
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## ACI Certification Certified Personnel

### Search Results

**Last name:** Conley

**Location:** AR

Items 1 - 2 out of 2 matching your search criteria are shown below. Click **Search Again** to Initiate a new search.

**Conley Roselie**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: April 7, 2015

Fayetteville, AR 72701-4389

**Conley Roselie**

ACI CONCRETE STRENGTH TESTING TECHNICIAN

Expires: June 28, 2018

Fayetteville, AR 72701-4389

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Technician No.  
**2953**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**N/A**

## Technician Training and Certification Program

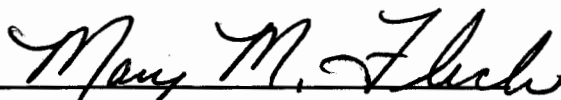
This document asserts

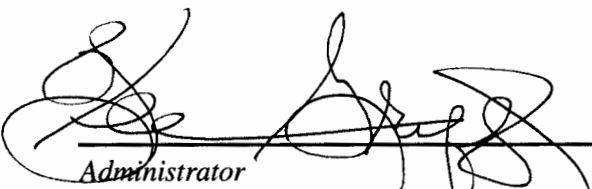
**Charles Steelman**

Has successfully completed classroom and laboratory training on May 12, 2010 in

## Basic Aggregates Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

  
Instructor  
Center for Training Transportation Professionals

  
Administrator  
Center for Training Transportation Professionals





Technician No.  
**2953**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**6/30/2017**

## Technician Training and Certification Program

This document asserts

**Charles Steelman**

Has successfully completed classroom and laboratory training June 14, 2013 in

# Hot Mix Asphalt Testing Technician

And is entitled to all rights and privileges thereto appertaining with expiration date noted above.

Instructor  
Center for Training Transportation Professionals

Administrator  
Center for Training Transportation Professionals



Technician No.  
**2953**

**cttp**

Center for Training  
Transportation Professionals



UNIVERSITY OF  
ARKANSAS

Expiration Date:  
**06/30/2014**

## Technician Training and Certification Program

This document asserts

**Charles Steelman**

Has successfully completed classroom and laboratory training on May 14, 2012 in

# Soils Testing Technician

and is entitled to all rights and privileges thereto appertaining with expiration date noted above.

*Mary M. Flick*

Instructor  
Center for Training Transportation Professionals

*[Signature]*

Administrator  
Center for Training Transportation Professionals



American Concrete Institute  
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## ACI Certification Certified Personnel

### Search Results

**Last name:** steelman

**Location:** AR

**Country:** U.S.

Item 1 of 1 matching your search criteria are show below. Click **Search Again** to initiate a new search.

**Steelman Charles**

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I

Expires: October 1, 2015

Springdale, AR 72762-0440

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