

Georgene M. Geary, P.E.

Education

August 2015 – Current Georgia Institute of Technology Atlanta, GA
PhD candidate, Transportation (anticipated Aug 2019 completion)

1997 - 1999 Georgia Institute of Technology Atlanta, GA
MSCE, Transportation focus

1981 - 1985 University of Illinois Champaign-Urbana, IL
BSCE, Materials and Pavements focus

Georgia Registered P.E. 19058, 1991

Professional experience

Jan 2015 – Current GGfGA Engineering, LLC
Principal Engineer/Owner

Consultant in the transportation area specializing in materials and general transportation research.

Sept 2012 – Nov 2014 Georgia DOT - Office of Research
State Research Engineer

Oversaw an Office responsible for the management of a \$6 million/year Research program. Oversaw an Implementation team for the AASHTOWare Pavement ME Design software and SHRP2 implementation for Georgia DOT.

Nov 2000 – Sept 2012 Georgia DOT - Office of Materials and Research
State Materials and Research Engineer

Managed an Office of over 300 employees responsible for the quality of all materials used in DOT construction projects, all geotechnical and pavement management operations, and the GDOT Research program. Created the Pavement Management Branch in 2001.

April 1999 – Nov 2000 Georgia DOT - Office of Information Services
Administrator

Managed an Office responsible for HPMS data collection, state and federal route designations and GIS responsibilities; also including information technology.

1995 - 1999 Georgia DOT - Utilities Office
Assistant State Utilities Engineer

Statewide coordination and permitting responsibility for utility facilities on GDOT right-of-way and construction projects, including policy and procedures.

1992 - 1995 Georgia DOT - Construction Office
Construction Liaison Engineer, Environmental focus

Responsibility for conflict resolution, supplemental agreements, specification revisions and field and classroom training in the construction areas of bridges and roadways.

1985 - 1992 Georgia DOT - Office of Materials and Research
Geotechnical Engineer/Transportation Engineer Associate

Prepared preliminary engineering reports for roadway, wall and bridge foundations, including field inspections and forensics for landslides and subgrade failures. Participated in 2 Year training program

**Current
Activities**

TRB Standing Committee on Concrete Pavement Design and Rehabilitation, Chair
TRB Committee Research Coordinators Council (CRCC) Secretary
TRB Standing Committee on Management of Quality Assurance, Member
American Society of Civil Engineers (ASCE), Member
ASTM, Intl., Member
International Society of Concrete Pavements, Member

Awards

GT Center for Integration of Research, Teaching and Learning (CIRTL) Tech to Teaching Certificate, April 2019
National Science Foundation Fellowship, May 2016 – May 2019
AASHTO Subcommittee on Materials Achievement Award, August 2014
Chi Epsilon (Civil engineering honor society) member

Publications

Geary, G., Tsai, Y.C., Wu, Y. (2018) "An Area-Based Faulting Measurement Method using 3D Pavement Data." Transportation Research Record. Washington, D.C. DOI:10.1177/0361198118759951

Tsai, Y. and Geary, Georgene. "Study of Real World Slab Level JPCP Deterioration Behavior Using 3D Technology". In the First International Conference on Maintenance and Rehabilitation of Constructed Infrastructure Facilities (MAIREINFRA) proceedings. Seoul, South Korea. July 2018.

Presentation Only: "Evaluation of a Method to Predict Performance of Cracking in Concrete Pavements at a Slab Level" Session 373, 96th TRB Annual Meeting, Washington, D.C. January 9, 2017.

Geary, Georgene M., Palotta, Scott M., Boyle, Mike and Jared, David. "Construction of Interstate Concrete Shoulders using 100% Recycled Concrete Aggregate". In the International Society of Concrete Pavements 11th International Concrete Pavement Conference proceedings. San Antonio, Texas. August 2016.

Birgisson, Bjorn, Anal K. Mukhopadhyay, Georgene Geary, Mohammad Khan, and Konstantin Sobolev. "Nanotechnology in Concrete Materials: A Synopsis." Transportation Research E-Circular E-C170. Transportation Research Board, Washington, D.C. (2012).

Tsai, Y., Wu, Y., Lai, J., & Geary, G. Ridge-to-Valley Depth Measured with Road Profiler to Control Micromilled Pavement Textures for Super-Thin Resurfacing on I-95. Transportation Research Record: Journal of the Transportation Research Board 2306, (2012), 144-150.

Hall, K., Dawood, D., Vanikar, S., Tally Jr, R., Cackler, T., Correa, A., ..Geary, G.... & Voigt, G. Long-life concrete pavements in Europe and Canada (No. FHWA-PL-07-027). (2007).

Past Activities

AASHTO Subcommittee on Materials, Member 2000-2014 (Vice-Chair 2012-14)
AASHTO Research Advisory Committee, Member 2000-2014
AASHTO Joint Technical Committee on Pavements, Member 2012-2014
TRB Nanotechnology in Concrete Task Force, Chair 2012-2014
TRB Committee for Review of the USDOT Truck Size and Weight Study- pavements focus
Georgia Introduce a Girl to Engineering (IAG) E-week Committee Chair (2006-2012)