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EDUCATION

M.R.P., Transportation Planning, University of North Carolina at Chapel Hill, 1981
B.A., Economics, Wabash College, 1978

PROFESSIONAL EXPERIENCE

- 2012 – Present Director, Travel Behavior Modeling Group, Institute for Transportation Research and Education, North Carolina State University, Raleigh, North Carolina. Leads team responsible for developing state of the practice travel forecasting tools for the Research Triangle region of North Carolina. Leads and performs research in travel behavior and travel modeling.
- 2007 – 2012 Program Manager, Triangle Regional Model Service Bureau, Institute for Transportation Research and Education, North Carolina State University, Raleigh, North Carolina. Led team responsible for developing travel forecasting tools for the Research Triangle region of North Carolina. During this period the team released two updates of the model for use; adding important new features and improvements. Managed Commercial Vehicle survey for Triangle Region; a survey of 500 establishments for developing new commercial vehicle models.
- 1993 – 2007 Senior Transportation Planner, Triangle Transit Authority, Research Triangle Park, North Carolina. Responsible for travel demand forecasting for Regional Rail project including developing estimates of passengers and benefits for environmental documentation and New Starts reports. Project Director for Triangle Travel Behavior Survey; an activity survey of 2,000+ households in Triangle region for developing travel forecasting inputs. Project Director for Preliminary Engineering for Regional Rail Project; an advanced functional design project. Project Director for Airport Rail Link Study, a study of feasibility of extending rail transit to RDU airport.
- 1986 – 1992 Planner II (Transportation), City of Wilmington, Wilmington, North Carolina. Responsible for all aspects of 3c transportation planning process for MPO - both public transportation and highways. Developed Long Range Transportation Plan. Prepared traffic projections using QRS II. Performed site impact analyses. Prepared collector street plans. Prepared Planning Work Program and Transportation Improvement Program. Project Director for transit transfer center improvements, bus bench and shelter project, River to Sea Bikeway, Kerr Ave. road widening, and handicapped van and bus fleet replacement. Supervised a staff of three. Team Leader, Facilitator and Team Member for Total Quality Management program.
- 1984 – 1986 Planner I (Transportation), City of Wilmington, Wilmington, North Carolina. Responsible for transit planning. Developed Short Range Transit Plan. Performed route and schedule evaluation of bus system. Planned capital purchase program. Ran marketing program.

ORGANIZATIONS

Institute of Transportation Engineers, North Carolina Section
American Planning Association
AICP
Transportation Research Board

RESEARCH PROJECTS

"Impacts of Land Use Strategies on Travel Behavior in Small Communities and Rural Areas," NCHRP 25-36, 2011

"Land Use Forecasting Models for Small Areas in North Carolina," (PI) RP 2012-03, NCDOT, 2011

COURSES TAUGHT

"Transportation Planning Models," UNC Chapel Hill 2007, 2009, 2011