

ROBERT G. HOLSINGER, P.E.

EDUCATION

Bachelor of Science, Civil Engineering, Iowa State College, 1959
Graduate, Bureau of Highway Traffic, Yale University, 1962
Master of Science, Civil Engineering, University of Nebraska, 1977
Certificate-Traffic Engineering, Northwestern University, 1959
Certificate-Traffic Engineering, ITTE-UCLA 1961
Certificate-Highway Capacity, Northwestern University, 1969
Certificate-Urban Travel Demand Forecasting, Federal Highway Administration and Urban Mass Transportation Administration, 1975
Certificate-Urban Travel Control Systems, Federal Highway Administration, National Highway Institute, 1976
Certificate-Accident Reconstruction Fundamentals, Kansas State University, 1984
Certificate-Air Pollution Control Orientation-Environmental Protection Agency (EPA), 1989
Certificate-Preparation of Environmental Documents, USDOT-FHWA, 1989

PROFESSIONAL ACTIVITIES

Registered Professional Engineer - California, Georgia, North Carolina, Virginia, Mississippi
Fellow, Institute of Transportation Engineers
Member, American Society Civil Engineers

PROFESSIONAL EXPERIENCE

Consulting Engineer - Robert G. Holsinger, PE - NC 1998 - Present
Director/Principal in Charge - Snyder & Associates - Akeny, IA 1992/1998
Vice President - Wilbur Smith Associates - Midwest Region - 1991/1992
Senior Engineer - Wilbur Smith Associates Inc., Raleigh, NC - 1984-1991
Consulting Engineer, R.L. Large & Associates, Inc. Lincoln, Nebraska 1982-1984
Manager, Professional Services, Associated Engineers, Lincoln, Nebraska 1977-1982
Construction Administrator, Commonwealth Electric Co., Lincoln, Nebraska 1976-1977
City Traffic Engineer, Lincoln, Nebraska 1962-1976
Assistant City Traffic Engineer, Downey, California - 1960-1961
Staff Traffic Engineer, City of Des Moines, Iowa - 1958-1960

Robert G. Holsinger serves as an independent Civil Engineering and Traffic Engineering Consultant performing professional engineering services on an assignment basis for insurance companies, attorneys and governmental agencies.

Previous assignments include investigations of accidents involving:

- Traffic control devices (signs, signals, markings)
- Traffic signal design, timing, operations and malfunction
- Standards and traffic control requirements for highway construction, maintenance, utility and incident management operations including construction staging, management, signing, barricading and traffic control plans
- Highway drainage and hydroplaning
- Roadside design requirements including roadside safety, topography and drainage (embankments; clear zone, channels) sign and luminaire supports, roadside barriers (guardrail, etc.), median barriers, bridge railings and transitions, barrier end treatments, traffic barriers, unmaintained shoulders
- Railroad-highway grade crossing requirements and accidents
- Parking lot and shopping center parking and pedestrian requirements.
- Bicycle safety and design standards
- Highway design and street design; the standards relating to highway design for freeway, rural and urban highway systems

EXPERT WITNESS EXPERIENCE

Mr. Holsinger has served as an expert witness in Accident Reconstruction and Failure Analysis cases. Clients included Governmental Agencies, Insurance Companies, and private clients.

Assignments have served both plaintiffs and defendants about equally and he has testified in the Federal, State, and Local court systems as an expert witness.

PUBLICATIONS

"The Use of Stop Signs at Railroad Crossings" Traffic Engineering Magazine, 1966-co-author.

"Optimum Hazard Index Formula for Railroad Crossing Protection" City of Lincoln, Nebraska, mimeo, 1967-co-author

"How to Promote Sidewalk Construction" American City magazine, 1967

"Traffic Control Manual for Street Construction and Maintenance Operations" City of Lincoln, Nebraska, booklet, 1975

"The Effect of a Pretimed Pedestrian Interval Versus an Actuated Pedestrian Interval in a Pretimed Traffic Signal" Graduate Thesis Yale University, 1962

"Railroad Transportation" Graduate Thesis, University of Nebraska, Lincoln, Graduate Thesis, 1977