



KITTELSON LLC

FORENSIC TRANSPORTATION ENGINEERING

RANDOLPH VANCE SCHULZE, P.E., PTOE, PTP
SENIOR PRINCIPAL

FORMAL EDUCATION

- B.S., Civil Engineering, The University of Texas at Austin, 1970

PROFESSIONAL STATUS

- Licensed Professional Engineer, State of Texas, License No. 37159
- Licensed Professional Engineer, State of Oregon, license No, 12591PE
- Certified Professional Traffic Operations Engineer, Certification No. 524
- Certified Professional Transportation Planner, Certification No. 269

PROFESSIONAL ASSOCIATION

- Institute of Transportation Engineers, Texas District, Houston Section

PROFESSIONAL EXPERIENCE

- 1970-1974 Engineering Aide, Texas Department of Transportation, Austin, Texas
- 1974-1977 Engineering Assistant, Texas Department of Transportation, Austin, Texas
- 1977-1984 Construction Engineer, Arabian American Oil Company, Dhahran, Saudi Arabia
- 1984 County Traffic Engineer, Lane County, Oregon
- 1985 City Traffic Engineer, Richardson, Texas
- 1986-1987 Motorway Design Engineer, Kuwait Ministry of Public Works, Kuwait City, Kuwait
- 1987-2000 Associate Vice President, Daniel, Mann, Johnson and Mendenhall, Phoenix, Arizona and Houston, Texas
- 2000-2022 Principal, Walter P. Moore and Associates, Inc, Houston, Texas
- 2022-Present Senior Principal, Kittelson LLC, College Station, Texas

ENGINEERING DESIGN, ANALYSIS AND OPERATIONS EXPERIENCE

Served as project manager or project director on traffic engineering and transportation planning projects including signal, signing, pavement marking, lighting, parking, freeway management system, and traffic control plans. Conducted traffic studies including signalized and unsignalized intersections, diamond and urban interchange comparisons, freeway segment capacity analysis, auxiliary lane analysis, and truck climbing lane studies. Developed budgets, scopes of work, and schedules. Developed agreements with and coordinated work of subconsultants. Supervised design consultants preparing highway and street project bid documents. Designed traffic elements of highway projects from concept through final bid documents, including supervision of CADD-produced drawings. Prepared alternative alignments for proposed highways. Conducted operational, capacity and safety studies for interchanges, intersections and freeways. Prepared traffic impact studies and site circulation studies for residential, industrial, and commercial developments. Provided event traffic plans. Conducted safety audits for industrial sites including process plants, power plants, and shipyards. Provided quality assurance for deliverables.

EXPERT WITNESS EXPERIENCE

As a qualified expert in the areas of highway design, traffic engineering and site access design and circulation, assisted attorneys in private practice in matters related to traffic control plans, intersection sight distance, and contract compliance. Assisted attorneys in litigation related to unpaid engineering fees on design-build project. Assisted attorneys in international arbitration related to non-standard roadside safety installations on design-build toll road project.