

**GERALD D. LOVE, Ph.D., P.E., C.V.S.**  
Associate

**EDUCATION:** Doctor of Engineering, Rensselaer Polytechnic Institute  
M.S. in Civil Engineering, Iowa State University, 1956  
B.S. in Civil Engineering, Iowa State University, 1949  
Certificate, Traffic Engineering, Yale Bureau of  
Highway Traffic, Yale University, 1959

**PROFESSIONAL  
REGISTRATION:** Registered Professional Engineer: Florida, California,  
New York, Iowa, Nebraska, Illinois, Arizona, Nevada,  
Mississippi, Colorado  
Certified Value Specialist (980601)

**PROFESSIONAL CAPABILITIES:**

Solid Career credentials, with over 40 years in professional engineering and management positions in both the public and private sectors in the transportation field.

**SUMMARY OF WORK EXPERIENCE:**

**Ventry Engineering, L.L.C. Quincy, Florida**

Assist in the conduct of Value Engineering courses and studies for government agencies. Mr. Love has served as Team Leader on several Value Engineering studies for Ventry Engineering and as a Team Member.

Recent relevant Value Engineering project studies that Jerry Love has served as a Team Member for Ventry Engineering include:

- ∅ Pleasanton Branch Extension, Pleasanton, CA
- ∅ SFOBB/East Bay Spans Replacement, Oakland, CA
- ∅ Coronado Bridge Seismic Retrofit, San Diego, CA
- ∅ I-95 ICS Corridor Bidability, Dade County, FL
- ∅ 30th/31st Street, Odgen, Utah
- ∅ Legacy/I-15 North/US 89 Interchange, Salt Lake City, UT
- ∅ KY 15; Breathitt County, Jackson, KY
- ∅ US 68; Bourbon & Nickolas Counties, Frankfort, KY
- ∅ I-75 Widening; Boone, Kenton & Grant Counties, Frankfort, KY
- ∅ I-15 from 600 North to Center St. including interchange and the I-215 Interchange, Salt Lake City, UT
- ∅ I-135; US Hwy. 81 & State Hwy. 4, Saline County, Topeka, Kansas
- ∅ I-75 Widening, Grant County from KY 36 to KY 491, Frankfort, KY
- ∅ Brooklyn-Queens Expressway, New York City, NY
- ∅ I-4/SR 408 (East-West Expressway), Deland, FL
- ∅ I-4/East-West Exp. from Anderson to Tampa Ave., Deland, FL

Experience as a Team Leader for Ventry Engineering include:

- ∃ New York State Route 17, Binghamton, NY
- ∃ New York State Route 332, Rochester, NY
- ∃ I-84/Drury Lane Interchange and Stewart Airport Connection, Newburg, NY
- ∃ I-75 Widening; Laurel County from KY 80 to Rock Cattle River, Frankfort, KY
- ∃ I-75 Widening; Laurel County from Laurel River to KY 192, Frankfort, KY
- ∃ I-65 Widening, Bowling Green, KY
- ∃ State Highway 105, Liberty, TX
- ∃ I80/US40; Silver Creek Junction, Salt Lake City, UT
- ∃ Gowanus Expressway, New York City, NY
- ∃ Van Wyck Expressway/Western Queens ITS, New York, NY
- ∃ Palisades Parkway, Poughkeepsie, NY
- ∃ Route 17 & I-81 Highway Rehabilitation, Binghamton, NY
- ∃ I-287/Cross Westchester Expressway, Elmsford, NY
- ∃ ICS Operational Plan - Phase B Ramp Metering, Miami, FL
- ∃ SW 112 Avenue, Allapattah Road Extension, Pompano, FL
- ∃ KY 15, from Morton Ave. to KY 28, Perry County, Jackson, KY
- ∃ State Highway 36, Cameron, TX
- ∃ State Road 40 from County Acres Blvd. to Timber Creek Rd., Volusia County, FL
- ∃ I-25/I-40 System Interchange (Big "I"), Albuquerque, NM
- ∃ Suncoast Parkway Interchange at Ridge Road, Winter Park, FL
- ∃ Sawgrass Expressway Widening, Pompano, FL
- ∃ US 380, Collin County Line to US 69; Greenville, TX
- ∃ SR 200, from Duval County Line to north of Thomas Creek, Nassau County, FL
- ∃ I-4 Interim HOV; Orlando, FL
- ∃ State Highway 24 from SH 224 to Delta County Line; Commerce, TX
- ∃ SR 9A/SR 202; Jacksonville, FL
- ∃ I-25/Lohman Interchange; Las Cruces, NM
- ∃ Bennington Bypass; Bennington, VT
- ∃ SR 9A from JTB to St. Johns Bluff; Jacksonville, FL
- ∃ US 41A Widening; Hopkinsville, KY
- ∃ Hudson Valley Traffic Management Facility, Hawthorne, NY
- ∃ Lake Mead Drive Widening, Henderson, NV
- ∃ US60 (Superstition Freeway), Phoenix, AZ
- ∃ SR 520 in Orange and Brevard Counties, DeLand, FL
- ∃ SH 151 from west of South Callaghan Rd. to east of Loop 1604 in Bexar County, TX
- ∃ Provo Canyon, Wildwood to Deer Creek Reservoir, Orem, UT
- ∃ Maintenance of Traffic (MOT) Process, Frankfort, KY
- ∃ Design Build for I-4 Auxiliary Lanes from 535 to 528, Orlando, FL
- ∃ Intelligence Transportation Systems (ITS) Operations Facility, Broward County, FL

**HIGHLIGHTS OF PAST EXPERIENCE**

**Project Manager with consultant engineering firms**, responsible for all phases of major highway projects, overall project management and administration and client coordination. Project assignments have included:

- ∃ Project Manager for the design and preparation of contract plans for a major \$300 million freeway to freeway (Palmetto/Dolphin Freeways) interchange project in Miami, Florida for the Florida Department of Transportation.
- ∃ Project Manager for the design and preparation of contract plans for a major \$30 million freeway interchange project in Pleasant Hill, California for the California Department of Transportation.
- ∃ Project Manager in overall charge of the functions of the general consultant for the design of a 26-mile urban expressway system in Orlando, Florida for the Orlando Orange County Expressway Authority.
- ∃ Project Manager for the design and preparation of contract documents for the rehabilitation and upgrading of urban sections of I-20 and I-55 in Jackson, Mississippi.
- ∃ Project Engineer for the design and preparation of contract plans for a major urban interchange on I-294 in Chicago, Illinois for the Illinois State Toll Highway Authority.
- ∃ Project engineer for the design and preparation of contract plans for the rehabilitation and upgrading of an interchange on I-94 for the Illinois Department of Transportation.
- ∃ Principal-in-Charge for the design and preparation of contract plans for a major I-49 urban interchange in Alexander, Louisiana, for the Louisiana Department of Transportation.

**Director of Education and Communications with the Asphalt Institute**, responsible for all technical publication and training courses relating to the use of asphalt cement.

- ∃ Initiated a national training program for engineers and technicians; conducted training seminars and prepared training materials.

**Associate Administrator for Research and Development, Federal Highway Administration, U.S. Department of Transportation** responsible for management of \$25 million highway research and development program and the activities of 250 professional engineers and scientists.

- ∃ Conducted research to develop new highway materials, improve specifications and construction equipment, implement new design procedures and highway safety improvements, and improve traffic operational procedures.

- ∃ In addition to the Federally funded program, monitored and controlled all research and development activities conducted by state highway agencies with Federal assistance.
- ∃ Appeared before Senate and House Appropriations Committees to present annual R&D budget for Congressional approval. Had continued liaison with Congressional Committees on transportation matters.

Held increasingly responsible field assignments with the Federal Highway Administration.

- ∃ As Regional Administrator for New England and Great Lakes regions, was responsible for administering billion dollar federal-aid highway programs, with supervisory responsibility over 250 employees.
- ∃ As Division engineer, was responsible for the field administration of the federal aid highway program in New Hampshire.
- ∃ As Assistant Division Engineer, Cambodia Division, was responsible for the design and construction of a critical, 120-mile highway project, essential for transporting strategic supplies to Cambodia's capital city, Phnom Penh.
- ∃ As District Engineer, Metropolitan New York City, Long Island, and Lower Hudson River Districts, reviewed and approved highway plans, specifications, estimates, and actual construction. Projects included Long Island Expressway, Cross-Bronx Expressway and Brooklyn-Queens Expressway.
- ∃ As Design Engineer, New York, reviewed and approved functional and detailed geometric highway plans.

**Highway Design Engineer with the Iowa Highway Department** responsible for the design and preparation of contract plans for urban arterial highway projects.

**Commissioned Officer, U.S. Navy Civil Engineer Corps (CEC)**, with responsibilities for the construction and maintenance management of Navy shore facilities including ports, air fields, buildings, highways and transportation equipment.

**EXPERIENCE - TRAFFIC SURVEILLANCE**

Project Manager for the development of a project report and preliminary design for a major freeway interchange in Oakland, California that provides access from the Nimitz Freeway (I-880) to the Oakland International Airport. The Caltrans project included volume-density metering of freeway traffic levels and ramp metering to control entering freeway traffic.



Project Manager for the design and preparation of PS&E for a major urban interchange on I-680 in Contra Costa County, California. The Caltrans project included the installation of TV traffic monitoring equipment, variable message signs, volume-density metering of freeway traffic and ramp metering. The construction cost of this ten-lane freeway project with an ADT of approximately 200,000 was \$300,000,000.

**EDUCATIONAL EXPERIENCE:**

1976 - 1983

Adjunct Professor at George Washington University, teaching graduate transportation engineering courses.

1981 - 1983

Taught undergraduate Transportation Engineering Course at the University of Maryland.

**PUBLICATIONS/PRESENTATIONS:**

"Value Engineering Applications for Intelligent Transportation Systems Projects." Presented at the AASHTO Value Engineering Conference, Branson, Missouri, July 14-16, 1999.

"A Cost-Effectiveness Analysis of Urban Fringe Parking Facilities served by Exclusive Bus Lanes." Dissertation for Doctor of Engineering Degree, Rensselaer Polytechnic Institute, Troy, New York, 1975.

**HONORS/PROFESSIONAL RECOGNITION:**

Department of Transportation Silver Medal for Meritorious Service  
Certificate of 25 Years of Meritorious Public Service, American Association of State Highway and Transportation Officials

Recipient of Iowa State University's Professional Achievement Commendation of Engineering (PACE)

Member, TRB Committee A5001, Conduct of Research (1976-1985)

Over a 25-year period have published more than 30 articles on varied aspects of transportation

Member, Iowa State University Civil Engineering Advisory Committee (1976-1982)

American Society of Civil Engineers - Fellow

Institute of Transportation Engineers - Fellow