VENTRY ENGINEERING
Providing Value Engineering Services

- **Major Project Value Engineering Programs**
- **Individual Value Engineering Project Studies**
- **40-Hour (SAVE approved) Module I**
- **Value Engineering Workshop**
- **Team Leader Value Engineering Workshops**
- **Value Engineering Principles Seminar**
- **Project Manager's Value Engineering Overview**
- **Value Engineering General Orientation**
- **Value Engineering Orientations for Management**
- **Development of Value Engineering Programs for State Transportation Departments**

INTRODUCTION

Ventry Engineering, also known as William F. Ventry, P.E., C.V.S., was established as a National Value Engineering Consulting firm on September 1, 1988. The founder and principal of the firm, William F. Ventry, has, for many years, been involved both in Florida and nationally in Value Engineering. With the Florida Department of Transportation for twenty-five years, his experience included highway design, project planning, project management and Value Engineering. *In 1979, While Bureau Chief for Value Engineering, he established and then directed Florida's Value Engineering Program for over five years*. Mr. Ventry also served as Florida's Director of Pre-construction and Design and ended his career with the FDOT as Chief Engineer responsible for statewide pre-construction, construction, and maintenance activities.

With a personal commitment to value improvement and as a member of the American Association of State Highway and Transportation Officials' (AASHTO) Standing Committee on Highways and Value Engineering Task Force, Mr. Ventry played a major role in the development and subsequent approval of the "AASHTO Guidelines for Value Engineering, 1987." Since that time, government agencies such as state Departments of Transportation, the Federal Highway Administration, the Federal Transit Administration, and cities and counties are including requirements in their projects for Value Engineering Studies.

Since founding Ventry Engineering, Mr. Ventry has assisted many transportation agencies with the development of their V.E. programs and has completed three hundred and four (304) Highway and Bridge V.E. project studies and ninety (90) Transportation V.E. workshops for clients spread among twenty-five (25) different states, as well as British Columbia, Ontario and Alberta in Canada.

Ventry Engineering has received national recognition for our Value Engineering work with transportation agencies throughout the nation. We have also been informed that we have conducted more highway and bridge V.E. studies than any other V.E. firm in the U.S.

Project Manager, Workshop Leader and Project Study Team Leader

William F. Ventry, P.E., C.V.S. has over 35 years experience in transportation. Having served in numerous positions with the Florida Department of Transportation (FDOT) including Project Manager of major projects as well as State Value Engineer, William F. Ventry has a complete and thorough understanding of both the technical and Value Engineering assignments of transportation projects. He is credited with developing the FDOT Value Engineering Program into one of the best in the nation.

Since William F. Ventry concentrates exclusively on Value Engineering for transportation projects, he is familiar with, State DOT, FHWA and AASHTO requirements, as well as the Society of American Value Engineers (SAVE) requirements.

He has served on many AASHTO committees and task forces and he has personally served as a Team Leader for over 125 Highway and Bridge V.E. studies for transportation agencies. Mr. Ventry has also served as Project Manager on 60 previous contracts for many different State's Department of Transportation. He has served as Workshop Leader for 80 Value Engineering workshops for transportation agencies.

Workshop Leaders and Project Study Team Leaders

Jack Trickey, P.E., C.V.S. is both a *Registered Professional Engineer and a Certified Value Specialist (CVS).* With over 30 years of experience at the Florida DOT in positions including roadway design and transportation planning, Mr. Trickey has a broad understanding of highway and bridge projects. He was the State Value Engineer for FDOT for over 6 years. His over 19 years of V.E. experience included hands-on V.E. studies and workshops and he is well versed in the identification of projects, selection of team members, and the V.E. study and implementation process. He has a complete understanding of all FHWA and AASHTO Value Engineering guidelines. Mr. Trickey is a past Chairman of the AASHTO Value Engineering Task Force, overseeing transportation Value Engineering nationwide. Mr. Trickey has previously served on 85 Value Engineering studies and Value Engineering workshops for transportation agencies for Ventry Engineering.

Jerry Love, Ph.D., P.E., C.V.S. is both a *Registered Professional Engineer and a Certified Value Specialist (CVS).* Mr. Love has solid career credentials, with over 40 years in professional engineering and management positions in both the public and private sectors in the transportation field, including the Iowa Department of Transportation and the Federal Highway Administration. He has had responsibility for all phases of major highway projects, overall project management and administration. Mr. Love has served as Adjunct Professor at George Washington University, teaching graduate Transportation Engineering courses and taught an undergraduate Transportation Engineering course at the University of Maryland. He has published more than 30 articles on varied aspects of transportation. Mr. Love has previously served as a Team Leader, Workshop Leader and Team Member on 40 Value Engineering studies or workshops for transportation agencies for Ventry Engineering.

Ron Fitzula, P.E., C.V.S. is both a *Registered Professional Engineer and a Certified Value Specialist (CVS)*. Mr. Fitzula has 30 years in the highway transportation industry. For 7 years, Mr. Fitzula served as North Carolina Department of Transportation State Value Engineer and was responsible for overseeing more than 140 Value Engineering Studies on major highway projects. He was a member of the AASHTO Value Engineering Task Force for five years. Mr. Fitzula has training in Structures, Construction, Roadway Design and Traffic Engineering. Mr. Fitzula has served on 20 Value Engineering studies or workshops for transportation agencies for Ventry Engineering.

Value Engineering Programs for Major Projects

Ventry Engineering has completed several contracts which required the development of a Value Engineering Program for a Major Transportation Project. For the following major projects, Ventry Engineering assisted in the development of a strategy for the Value Engineering Program including selection of study elements, providing team members, providing team leaders, conducting numerous Value Engineering studies, making presentations, preparing Value Engineering study reports and assisting in implementation of the recommendations:

- State Toll Bridges Seismic Retrofit Projects, California Department of Transportation (11 studies)
- I-15 Corridor Program, Utah Department of Transportation (15 studies)
- East/West Multimodal Corridor Program, Florida Department of Transportation (13 studies)
- Route 55 Freeway Program, California Department of Transportation (4 studies)
- SR 1 Freeway Program, Delaware Department of Transportation (2 studies)
- Santa Ana Freeway Corridor Program, California Department of Transportation
- Route 91 Freeway Program, California Department of Transportation
- I-5 Freeway Program, California Department of Transportation (2 studies)

Value Engineering Programs for Agencies

Ventry Engineering has been involved in the development of Value Engineering Programs for Transportation Agencies. It has included the development of policies and procedures, guidelines, selections of projects, team members, review criteria, development of implementation plans and report preparation guidelines. Ventry Engineering's accomplishments in the development or re-development of programs are:

- Florida Department of Transportation, 1979
- American Association of State Highway and Transportation Officials, 1987
- California Department of Transportation, 1990-1992
- North Carolina Department of Transportation, 1992
- Delaware Department of Transportation, 1993-1994
- New Mexico State Highway & Transportation Department, 1998-1999

Individual Value Engineering Project Studies

The V.E. project studies Ventry Engineering has conducted in the past twelve years, three hundred and four (304) completed thus far, were for clients spread among twenty-five (25) different states and the Province of British Columbia, Ontario and Alberta in Canada and included both government agency and private industry. As a past Project Manager of major projects, Mr. Ventry has a complete and thorough understanding of the production phases of project development. Therefore, Ventry Engineering has a good track record of projects completed on time and within budget, without disruption of production schedules, resulting in cost savings and improved projects for our clients.

Value Engineering Training Workshops

Since many government agencies have not had training in Value Engineering, this training and knowledge is becoming increasingly important to agency professionals.

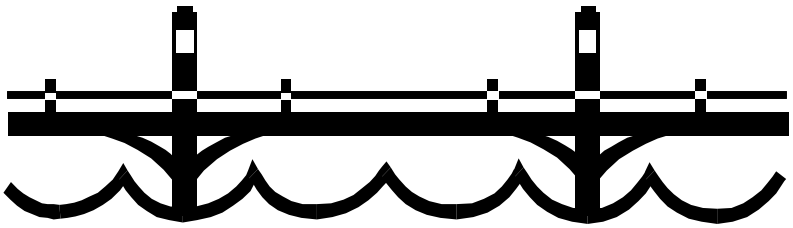
The Ventry Engineering workshop is oriented toward the agency professional who is now or may in the future be required to participate in Value Engineering studies. These workshops are approved by the Society of American Value Engineers (SAVE). Each participant who completes the 40-Hour Value Engineering Training Workshop receives a certificate of completion, which is also an initial requirement for the Certified Value Specialist (CVS) registration. Each workshop includes instructions in techniques and the Value Engineering process, plus a "hands-on" analysis of "live" projects. Projects are reviewed by a team and cost effective recommendations are made to the project owners.

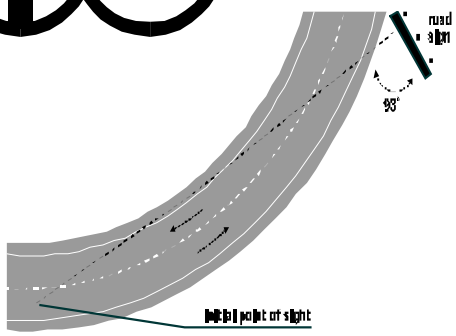
Our Clients Are Important

Ventry Engineering offers complete Value Engineering training workshops and project studies in all 50 states. Our company provides our clients with the ability to complete a safe, quality project within budget and on time, while being sensitive to the environment and public interest.

VENTRY ENGINEERING'S BACKGROUND

- MEMBERS OF VENTRY COMPOSED & GAINED APPROVAL OF THE AASHTO V.E. GUIDELINES (1987)
- OVER 20 YEARS EXPERIENCE IN VALUE ENGINEERING (1979)
- OVER 35 YEARS EXPERIENCE IN TRANSPORTATION (1964)
- CONCENTRATES EXCLUSIVELY ON HIGHWAY & BRIDGE V.E.





VENTRY ENGINEERING'S BACKGROUND

- **ALL TEAM LEADERS ARE BOTH CVS'S AND P.E.'S**
- **VERY FAMILIAR WITH FHWA, AASHTO & STATE DOT'S PROJECT DEVELOPMENT & V.E. REQUIREMENTS**
- **HAVE COMPLETED 304 HIGHWAY/BRIDGE V.E. PROJECT STUDIES FOR VARIOUS STATE DOT'S**
- **ALWAYS "ON TIME" AND "UNDER BUDGET"**