



***Luis M. Venegas, PE, CVS, LEED® AP  
Vice President***

***Qualifications***

Luis Venegas is a Value Engineering Team Leader (VETL), a VE training instructor, and an architectural or civil engineering team member on VE studies and workshops conducted by Value Management Strategies, Inc. As a registered professional engineer and Certified Value Specialist (CVS), he has served as team leader on more than 425 VE studies for a variety of projects in both the private and public sectors. He has extensive experience in architecture, civil engineering design, and cost estimating. Prior to joining VMS, Inc., Luis Venegas was the Program Director/Manager for both VE and A&E liability programs for the Naval Facilities Engineering Command, OICC TRIDENT Nuclear Submarine Base, Kings Bay, Georgia.

***Education***

University of Miami, Coral Gables, BS, Architectural Engineering, 1972  
Miami Dade Community College, Associate of Arts, 1968  
SAVE-approved Module I Value Engineering Training Workshop, 1982  
SAVE Module II Value Engineering Training Workshop, 1998  
Partnering Facilitation Workshop, 1994  
Choosing By Advantages™ Training Workshop, 2003  
USGBC LEED® Training, 2003

***Registration***

Professional Engineer, Commonwealth of Virginia, No. 11559  
Certified Value Specialist, No. 861001  
LEED® Accredited Professional, 2004

***Professional  
Affiliations***

National Society of Professional Engineers  
Georgia Society of Professional Engineers  
SAVE International, Chairman – Certification Board  
Society of American Military Engineers

## **Representative Experience**

Luis has served as a Value Engineering Team Leader on numerous value studies, for organizations such as:

- ◆ California Department of Transportation
- ◆ Georgia Transportation Cabinet
- ◆ New York State Department of Transportation
- ◆ Maryland State Highway Administration
- ◆ Ohio Department of Transportation
- ◆ Southeastern Pennsylvania Transportation Authority
- ◆ Houston Metropolitan Transit Authority
- ◆ New York City Office of Management and Budget
- ◆ US General Services Administration
- ◆ New York City Transit Authority
- ◆ New Jersey Transit Corporation
- ◆ U.S. Naval Facilities Engineering Command
- ◆ Southern Division Naval Facilities Engineering Command
- ◆ George Mason University
- ◆ US Army Corps of Engineers, Various Districts
- ◆ Anglian Water Services, United Kingdom
- ◆ South Bay Water Resources Authority
- ◆ City of Riverside, CA Regional Water Quality Control Plant
- ◆ City of Columbus, OH Department of Public Utilities, Division of Sewerage and Drainage
- ◆ Oak Ridge National Laboratory, U.S. Department of Energy

# Value Analysis/Value Engineering Project Studies

## HIGHWAYS AND BRIDGES

### **Georgia Department of Transportation**

- ◆ SR 34/Newnan Bypass from State Route 16 to Turkey Creek Road, Coweta County, GA
- ◆ Widening and Reconstruction of State Route 17 located in Wilkes and Elbert Counties, GA
- ◆ SR 141/Peachtree Road Corridor Improvements in Fulton County, GA
- ◆ Widening and Reconstruction of Whittlesey Road in Muscogee County, GA
- ◆ Widening and Reconstruction of SR 4/US 1 in Jefferson County, GA
- ◆ Widening of SR 133, Brooks and Colquitt Counties, GA
- ◆ SR 53/Mars Hill Road/Oconee Connector, Oconee County, GA
- ◆ SR 4/15th Street Improvements, Richmond County, GA
- ◆ Lee Road/Sweetwater Road Widening – Phase 1; CR 817/Lee Road Widening – Phase 2; and I-20/Lee Road Interchange Reconstruction, Douglas County, GA
- ◆ Johnson Ferry and Abernathy Roads Widening from the Chattahoochee River to Roswell Road/SR 9, in Cobb and Fulton Counties, GA
- ◆ Eastern Connector from Buena Vista Road to Macon Road/SR 22, in Muscogee County, GA
- ◆ Widening and Reconstruction of SR 92, Paulding County, GA
- ◆ Widening and Reconstruction of US 84/SR 38 in Clinch and Ware Counties, GA
- ◆ I-75/Sardis Church Road Interchange Construction, Bibb County, GA
- ◆ Widening and Relocation of SR 72, Madison and Elbert Counties, GA
- ◆ I-16 Median Rest Area, Candler County, GA
- ◆ HOV Lanes on I-20 Westside from Bright Star Road to SR 6/Thornton Road, Douglas County, GA
- ◆ Cleveland West Bypass, White County, GA
- ◆ Reconstruction of I-185 Interchange, Muscogee County, GA
- ◆ Widening of SR 403/I-85, Meriwether, Troup, and Coweta Counties, GA
- ◆ Pavement Rehabilitation for I-20 from the Georgia-Alabama State Line to SR-61, Haralson and Carroll Counties, GA
- ◆ Widening of SR 17/US 78, McDuffie and Wilkes Counties, GA
- ◆ Pavement Rehabilitation on I-75, Cobb and Bartow Counties, GA
- ◆ Widening and Reconstruction of SR 96 and SR 96/I-16 Interchange, Twiggs County, GA
- ◆ Interchange Improvements on I-285, Sandy Springs, GA
- ◆ Widening and Reconstruction of SR 92, Cherokee County, GA
- ◆ Widening of US 80/SR 26, Chatham County, GA
- ◆ Widening and Reconstruction of US 441/SR 15
- ◆ Dublin Bypass Project, Laurens County, GA
- ◆ I-20 at Lithonia Industrial Boulevard from Fairington Road to Turner Hill Road Project, Atlanta, GA
- ◆ Widening and Reconstruction of US 441/SR 15
- ◆ 17th Street Extension Project, Atlanta, GA
- ◆ South LaGrange Loop in Troup County, GA

### **California Department of Transportation**

- ◆ Phase 2 Storm Drain System Repairs, I-105, Los Angeles County, CA
- ◆ Storm Drain System Replacement and Groundwater Control Project, I-105, Los Angeles County, CA
- ◆ SR-905/SR-125 Interchange, San Diego, CA

**New York State  
Department  
of Transportation**

- ♦ Alexander Hamilton Bridge and Highbridge Interchange Ramps Rehabilitation, Boroughs of Manhattan and Bronx, NY
- ♦ Route 7 over I-87 Bridge Replacement, Town of Colonie, Albany County, NY

**Maryland State Highway  
Administration**

- ♦ Maryland Route 177 from Maryland Route 2 (Governor Ritchie Highway) to Ventnor Road, Anne Arundel County, MD
- ♦ Metro Green Line (F) Route, Outer Branch Avenue Segment, Prince George's County, MD
- ♦ I-70/I-270 Interchange Improvements Including US 15/340, Frederick County, MD

**Vancouver Island  
Highway Project,  
Victoria British  
Columbia, Canada**

- ♦ Transfer Beach to Jones Road, Ladysmith, Vancouver Island
- ♦ Colwood Overpass Number 1403, View Royal, Vancouver Island

**City of St. Marys, GA**

- ♦ Stimson Avenue Extension and Missile Haul Road, Kings Bay Naval Submarine Base, St. Marys, GA
- ♦ Widening of Osborn Street, St. Marys, GA

**Ohio Department  
of Transportation**

- ♦ Mill Creek Expressway/I-75 in Hamilton County, OH
- ♦ SR 823 I-90 in Lake and Ashtabula Counties, OH
- ♦ SR 823 Portsmouth Bypass, Appalachian Development Highway Project, Scioto County, OH
- ♦ I-70/I-71 Split, Franklin County, OH
- ♦ Improve I-271, Assessment of Feasible Alternatives, Summit County, OH
- ♦ US 30 Relocation, Stark County, OH
- ♦ Wilmington Bypass Upgrade, Clinton County, OH
- ♦ New Interchange in the Vicinity of Bixby Road and US 33 and New Overpass at the Intersection of Ebright Road and US 33, Franklin County, OH
- ♦ Cleveland Innerbelt Plan, Increase Roadway from Two to Three Lanes at the Intersection of I-90 and I-71, Construct 11 New Bridges, Add Lanes at Exit Ramps, and Reconstruct Pavement, Cuyahoga County, OH
- ♦ I-75 Pavement Rehabilitation and Lane Addition (Part 1), Reconstruct the I-75/SR 63 Interchange and Widen 2.95 Miles of I-75 (Part 2), Butler and Warren Counties, OH
- ♦ Upgrade SR 8 from SR 303 north to I-271, Summit County, OH
- ♦ I-77 Third Lane Widening, Summit County, OH
- ♦ Ironton-Russell Bridge Replacement, Lawrence County, OH and Greenup County, KY
- ♦ Waldvogel Viaduct Replacement, Cincinnati, OH
- ♦ Widening and Structure Replacements, Wayne and Medina Counties, OH
- ♦ Reconstruction of the Existing Separated Crossing with the Indiana and Ohio Railroads and Removal of the Separated Crossing with CSX Transportation
- ♦ Relocate 56 kilometers of US 30 as a Four-Lane, Divided, Limited-Access Highway on a New Alignment, Columbiana County, OH
- ♦ Construct a Four-Lane Divided Highway on US 30, Wayne County, OH .
- ♦ Construct a Four-Lane Limited-Access on US 30, Crawford and Richland Counties, OH
- ♦ Update and Improve a 7-Mile Corridor of I-71 between Columbus and Cleveland, Richland County, OH
- ♦ Relocate 9.11 Miles of Existing SR 7, Lawrence County, OH
- ♦ New Four-Lane, Limited-Access Highway - US 35 - from US 50 Eastbound to Richmond Dale, Ross County, OH

**Various Clients & Projects**

- ◆ 145th Street Swing Bridge Reconstruction, Manhattan, NY, New York City Office of Management and Budget
- ◆ Highway 403/Queen Elizabeth Way, Ministry of Transportation, Ontario, Canada
- ◆ Commercial Boulevard and Turnpike Interchange, Florida Department of Transportation
- ◆ Satellite Terminal Expansion, Lehigh Valley International Airport, Allentown, PA, Lehigh Valley International Airport
- ◆ Rehabilitation of the Frederick Douglass Bridge, Washington, DC, District of Columbia Department of Transportation

**TRANSIT FACILITIES**

**New Jersey Transit Corporation**

- ◆ Hamilton Transit Complex (Rail Station and Bus Maintenance Facility), Hamilton Township, Mercer County, NJ
- ◆ Egg Harbor Township Bus Maintenance Facility, Egg Harbor Township, NJ

**Southeastern Pennsylvania Transportation Authority**

- ◆ Elwyn to Wawa Train Service Restoration Project
- ◆ Bucks County Intermodal Station Improvements–Croydon Station Project
- ◆ Callowhill Garage and Victory Avenue Bus Garage Ventilation Project
- ◆ Market-Frankford Subway/Elevated Shops and Yard Modernization Project, Philadelphia
- ◆ Frankford Elevated Stations: Berks, Huntingdon, and Church (Blue Line), Philadelphia
- ◆ Automatic Train Control Signal Project, Market-Frankford Subway Communications
- ◆ Frankford Transportation Center Bus Depot Additions, Philadelphia
- ◆ Key Station Accessibility Renovations
- ◆ Audio/Visual Public Address Systems at Key Stations, Philadelphia
- ◆ Historic Stations Rehabilitation - Strafford Station, Tredyffrin Township
- ◆ Priority Bridges Replacement/Renovation Program, Phase II, Philadelphia and Bucks County
- ◆ Chester Transportation Center 30% Design Stage Renovation Project Review, Chester
- ◆ Two Mainline Branch Bridges over Tabor Road and 10th Street and the Warminster Branch Bridge over Small Stream, Philadelphia and Bucks County
- ◆ Parking and Station Expansion Program, Package "E", Philadelphia
- ◆ Mainline Schuylkill Bridges Rehabilitation Project
- ◆ Emergency Call Box and Fiber Optic Systems, Phase III

**Houston Metropolitan Transit Authority**

- ◆ New METRO Gulfgate Transit Center, Houston
- ◆ New Downtown Transit Center and Houston Metro Administration Office Building
- ◆ Light Rail Program
- ◆ Northwest Station Park & Ride, Third Expansion
- ◆ Design Guideline for Downtown/Midtown and Main Street Improvements to Support Regional Bus Plan
- ◆ Greenway Plaza T-Ramp
- ◆ Eastex HOV Interchanges - Townsen Interchange
- ◆ Eastex HOV Interchanges - Quitman Interchange
- ◆ Shepherd/Durham Transit Center
- ◆ Townsen Park and Ride Facility
- ◆ Gessner Park and Ride Facility

**Various Clients & Projects**

- ◆ Fulton Street Transit Center, Segment One, New York, NY, New York City Transit Authority
- ◆ Lester B. Pearson International Airport Automated People Mover Project, Mississauga, Ontario, Canada, Greater Toronto Airports Authority
- ◆ Triskett District Garage Rehabilitation, Cleveland, OH, Greater Cleveland Regional Transportation Authority
- ◆ Southern Avenue Station and Branch Avenue Route Section F-7, Washington, DC, Washington Metropolitan Area Transit Authority
- ◆ Intermodal Garage, Review of Final Concept Design Documents, City of Des Moines, IA
- ◆ Pier J Grade Separation, Long Beach, CA, Port of Long Beach, CA
- ◆ Preliminary Engineering Stage Review of Center Line Light Rail Project, Orange County Transit Authority

**BUILDINGS**

**National Institutes of Health**

- ◆ National Library of Medicine (NLM) Facility Expansion, Bethesda, MD
- ◆ At 15% stage of design completion, a VE study was conducted to address growing concerns about the ability to meet the targeted ECC of \$130 million. Study focused on costs associated with design themes, two additional electrical systems, and the NLM's desire to accelerate the design and construction timelines. 15% ECC \$139.9 million.
- ◆ At the 35% design completion, the study focused on the project's high cost areas to achieve a balance of cost versus worth. Any attainable savings will be reinvested within the project to elaborate or add functionality not currently affordable.

**U.S. General Services Administration**

- ◆ U.S. Courthouse, Laredo, TX
- ◆ IRS Computing Center, Martinsburg, WV

**U.S. Naval Facilities Engineering Command, U.S. Naval Submarine Base, OICC-TRIDENT, Kings Bay, GA**

- ◆ Chapel and Religious Education Facility
- ◆ TRIDENT Training Facility
- ◆ United States Marine Corps' Unaccompanied Enlisted Personnel Housing and Administration
- ◆ SWFLANT Engineering Services Building
- ◆ Bachelor Officers' Quarters
- ◆ Bachelor Enlisted Quarters and Personnel Support Facility
- ◆ Consolidated Personnel Support Center
- ◆ Off-Crew Operations Building
- ◆ Dockside Handling Building
- ◆ Police Station and Armory
- ◆ Library

**Various Clients & Projects**

- ◆ Quality Review of 95% Progress Drawings for the new Facility at the Engineer Proving Ground within Fort Belvoir, Virginia
- ◆ New Renaissance ClubSport Facilities, Houston, TX and Florham Park, NJ, Marriott International, Inc.
- ◆ Restore Central Park Police Station, Borough of Manhattan, NY, New York City Office of Management and Budget
- ◆ Multi-Generational Recreation Center in the City of Salem, Roanoke County, Virginia
- ◆ Smithsonian Institution/Office of Facilities Engineering and Operations, Pod 3 Renovation/Collection Storage Improvements for the National Museum of Natural History, Suitland, Maryland
- ◆ U.S. Department of State Overseas Building Operations, Super Small Standard Embassy Design, Arlington, VA
- ◆ Virginia Museum of Fine Arts, Expansion Project, Richmond, VA
- ◆ NGP Capital LLC, Overtown Transit Village Design and Construction



- Project, Miami, FL
- ♦ New Nine-Story Federal Bureau of Investigation Field Office, Houston, TX
- ♦ National Oceanic and Atmospheric Administration, Satellite Data and Information System Operations Facility, Suitland Federal Center, MD
- ♦ Prudential Company of England New Office Building, Atlantic House, London

### LABORATORY/MEDICAL FACILITIES

***New York City Office of Management and Budget***

- ♦ Public Health Laboratory Building, Borough of Manhattan, NY
- ♦ Ambulatory Care Pavilion, Borough of Queens, NY

***Various Clients & Projects***

- ♦ Rush University Medical Center - New Hospital Addition and Atrium Renovation, Chicago, IL
- ♦ University of Colorado Health Sciences Center, Research Complex 1, Aurora, CO
- ♦ LAC+USC Medical Center Replacement Project, Los Angeles, CA
- ♦ Barnes-Jewish-Children's Health System, Washington University, Campus Integration Project Phase I, St. Louis, MO
- ♦ Bristol-Myers Squibb, Bioprocess Development Laboratory, Hopewell, NJ
- ♦ National Institutes of Health, Building 50, Bethesda, MD
- ♦ American Type Culture Collection Headquarters, Manassas, VA
- ♦ National Institute of Standards and Technology, Advanced Technology Laboratory, Boulder, CO
- ♦ E.I. DuPont De Nemours & Company, Kevlar Laboratory Relocation Project

### COURTHOUSES/CORRECTIONAL FACILITIES

***U.S. General Services Administration***

- ♦ United States Federal Courthouse, Las Cruces, NM
- ♦ United States Federal Courthouse, Jackson, MS
- ♦ United States Federal Courthouse, Fort Pierce, FL
- ♦ Renovation and Alterations to Historic U.S. Courthouse, Tallahassee, FL
- ♦ U.S. Courthouse, Wheeling, WV
- ♦ U.S. Courthouse, Corpus Christi, TX
- ♦ Federal Courthouse and IRS Service Center, Beckley, WV

***Various Clients & Projects***

- ♦ City of Jacksonville, FL, Downtown County Courthouse Complex
- ♦ Conversion of Law School to U.S. District Bankruptcy Courts, Little Rock, AR
- ♦ Albemarle-Charlottesville Regional Jail Alterations and Additions, Charlottesville, VA
- ♦ Blue Ridge Regional Jails, VA
- ♦ Fort A.P. Hill Regional Jail, Caroline County, VA
- ♦ Pamunkey Regional Jail, Hanover County, VA
- ♦ Federal Detention Center, Houston, TX

## EDUCATIONAL FACILITIES

### **George Mason University, VA**

- ♦ Academic Building Phase IIIA, Prince William Campus, Manassas
- ♦ Prince William Institute, Academic Building II, Manassas
- ♦ School of Law - Phase I, Arlington

### **U.S. Naval Facilities Engineering Command, U.S. Naval Submarine Base, OICC-TRIDENT, Kings Bay, GA**

- ♦ Navy's largest training facility for crew members of Ohio Class (TRIDENT) submarines at the new Naval Submarine Base
- ♦ New Chapel and Religious Education Facility

### **Southern Division Naval Facilities Engineering Command, Charleston, SC**

- ♦ Army Reserve Training Building and Shop, Naval Station Annex North Charleston, North Charleston, SC
- ♦ Aviation Physiological Training Facility, Naval Air Station Pensacola, FL
- ♦ Reserve Training/Administration Center, Naval Air Station Memphis, TN
- ♦ Naval/Marine Reserve Training Center, Naval Construction Battalion Center Gulfport, MS
- ♦ Instructional Development Facility, Keesler Air Force Base, Biloxi, MS

### **Various Clients & Projects**

- ♦ Diocese of Arlington, Loudoun County Catholic High School, Conklin, VA
- ♦ Elementary School and Child Development Center, Vicenza, Italy
- ♦ Virginia Polytechnic University and State College, Blacksburg, VA
- ♦ Gold Bar Wastewater Treatment Plant, Edmonton, Center of Excellence, Alberta, Canada
- ♦ Virginia Commonwealth University, Richmond, Virginia, Gladding Residence Center, Phase III
- ♦ Old Dominion University, Constant Hall Additions and Renovations, Norfolk, VA

## MILITARY FACILITIES

### **U.S. Army Corps of Engineers, Baltimore and Savannah Districts**

- ♦ Army Research Laboratory, Army Adelphi Laboratory Center
- ♦ Aberdeen Proving Grounds, MD, Army Research Laboratory
- ♦ Aberdeen Proving Grounds, MD, Life Sciences Research Facility
- ♦ Barracks Modernization, Building 246, Fort Myer, VA
- ♦ Automated Supply Training Facility, Fort Lee, VA
- ♦ Improvements to 441 Family Housing Units, Fort Benning, GA
- ♦ Headquarters U.S. Transportation Command, Scott Air Force Base, IL
- ♦ Army Research Laboratory, Army Adelphi Laboratory Center. Assistant

### **Southern Division Naval Facilities Engineering Command, Charleston, SC**

- ♦ Upgrade Bachelor Enlisted Quarters, Naval Air Station Meridian, MS
- ♦ "A" Student Barracks, NCBC Gulfport, MS
- ♦ Security Police Operation Facility, Keesler Air Force Base, Biloxi, MS
- ♦ Administration Facilities, Naval Station Ingleside, Ingleside, TX
- ♦ Administration Facilities, Naval Station Lake Charles, LA
- ♦ Administration Facilities, Naval Station Mobile, AL
- ♦ Administration Facilities, Naval Station Pascagoula, MS
- ♦ Standard Missile Assemble and Vertical Launch Facility, Naval Weapons Station Charleston, SC

### **U.S. Army Corps of Engineers, Louisville District**

- ♦ DB Request for Proposal for FY09 USSOCOM Project, Tactical Equipment Maintenance Facility, at Fort Campbell, for the 5th Special Forces Group (Airborne)
- ♦ New Gardner Hills Elementary School to be located at Fort Campbell, KY for the Department of Defense Education Activity/Domestic Dependent Elementary and Secondary Schools
- ♦ Replace Fort Knox High School, Fort Knox, KY

- ◆ Lima Army Tank Plant, Lima, OH
- ◆ Grow the Force Barracks – EAB, Fort Campbell, KY
- ◆ Consolidated Troop Medical/Dental Clinic, Fort Campbell, KY
- ◆ Special Operations Force Battalion Operations Complex Phase 3, Design-Build Request for Proposal Base Realignment and Closure Project, Fort Campbell, KY
- ◆ New Armed Forces Reserve Center to be located at San Marcos, TX
- ◆ Draft Design-Build Request for Proposals for two new Child Development Centers to be located at Fort Campbell, Kentucky
- ◆ New Occupational Health Clinic/Bioenvironmental Engineering Replacement, Wright-Patterson Air Force Base, Dayton, OH
- ◆ Whole Barracks Renewal: Barracks and Operations Building, Fort Knox, KY
- ◆ Acquisition Management Complex—Phases II, IIA, and IIB, Wright-Patterson Air Force Base
- ◆ Weapons Quality Assurance Facility, U.S. Army Rock Island Arsenal, IL
- ◆ Vehicle Maintenance Shops, Fort Campbell, KY
- ◆ Conversion of Three Buildings, Fort Sheridan, IL
- ◆ Construction of a 300-member training facility, Vance Air Force Base (VAFB), Enid, OK

***U.S. Army Corps  
of Engineers,  
Fort Worth District***

- ◆ C-130J Add/Alter Flight Simulator Facility, Dyess Air Force Base, Abilene, TX
- ◆ Central Vehicle Wash Facility, Fort Bliss, El Paso, Texas
- ◆ Fire Station, North Fort Hood, Killeen, TX
- ◆ Vehicle Maintenance Shop, Camp Bullis, Fort Sam Houston, San Antonio, TX
- ◆ Operational Readiness Training Complex, McGregor Base Camp, NM (part of Fort Bliss, El Paso, TX)

***U.S. Coast Guard,  
Facilities Design and  
Construction, Atlantic,  
Norfolk, VA***

- ◆ Base St. Louis Relocation, Charles Melvin Price Support Center, Granite City, IL
- ◆ Renovate Family Housing Units, St. Marie, MI
- ◆ Atlantic City International Airport, Atlantic City, NJ

***U.S. Naval Facilities  
Engineering Command,  
U.S. Naval Submarine  
Base, OICC-TRIDENT,  
Kings Bay, GA***

- ◆ Defensive Ordnance Support Facility
- ◆ Refit Warehouse
- ◆ Refit Wharf No. 2
- ◆ Radiographic Inspection Building
- ◆ Reentry Body Complex
- ◆ Explosives Handling Wharf No. 1
- ◆ Tender Mooring Facility
- ◆ Missile Motor Inspection Building
- ◆ Missile Motor Transfer Facility
- ◆ Vertical Missile Packaging Building No. 2
- ◆ Missile Motor Magazines
- ◆ Small Ordnance Magazines
- ◆ USMC's Unaccompanied Enlisted Personnel Housing & Administration
- ◆ Missile Assembly Building No. 2
- ◆ Consolidated Personnel Support Facility
- ◆ Bachelor Enlisted Quarters and Personnel Support Facility
- ◆ Waterfront Utility Plant and Distribution System
- ◆ Expansion of the Base Area Water Treatment Plant
- ◆ Limited Area Emergency Generator Building
- ◆ Microwave System Facility
- ◆ Stimson Avenue Extension and Missile Haul Road
- ◆ Limited and Controlled Areas Security Facilities
- ◆ Controlled Industrial Facility
- ◆ Expansion of the Waterfront Fire Protection System
- ◆ Dockside Handling Building

***U.S. Navy, Naval Facilities  
Engineering Command,  
Mid-Atlantic, Norfolk, VA***

- ◆ Weapons Qualifications Range
- ◆ Police Station and Armory
- ◆ Container Storage Area
- ◆ Waterfront Facilities
- ◆ Base Wastewater Treatment Plant Expansion
- ◆ Magnetic Silencing Facility
- ◆ Defensive Ordnance Facilities II
- ◆ Industrial Waste Treatment Facility
- ◆ Provisions Warehouse
- ◆ Public Works Facility and Printing Plant
- ◆ Engineering Services Building
- ◆ Diesel Fuel Marine Facility
- ◆ Off-Crew Operations Building
- ◆ Refit Wharf No. 2
- ◆ Library
- ◆ Medical/Dental Clinic Additions and Alterations
- ◆ Chapel and Religious Education Facility
- ◆ Personnel Support Facility
- ◆ Dockside Handling Building
- ◆ TRIDENT Dry Dock
- ◆ Bachelor Officers' Quarters
- ◆ TRIDENT Training Facility
- ◆ Administration Facility
  
- ◆ Repairs and Additions to Buildings 141 and 156 for the Naval Submarine Medical Research Laboratory located at the Naval Submarine Base New London
- ◆ Construction of Marine Air Group (MAG) Headquarters, storage warehouse, a Type I and a Type II helicopter maintenance hangar, and all support facilities, Fort Dix, NJ
- ◆ Navy VR Fleet Logistics Operations Facility and C-130 Flight Simulator Project, Relocation from the Naval Air Station Joint Reserve Base in Willow Grove, PA, to McGuire Air Force Base, NJ
- ◆ Repair of the deteriorated steel sheet pile bulkhead between Piers 1 and 2 at NS Newport
- ◆ Construct a new facility for the Submarine Learning Center's mission at NAVSUB New London, CT
- ◆ Construct a new facility replacing Building No. 198, with a new consolidated Station and 2nd MAW headquarters facility, MCAS Cherry Point
- ◆ Explosive Ordnance Disposal Mobile Unit Ten Operations Facility, Norfolk, VA
- ◆ Update and improve the cost effectiveness of the Navy Standard T-10 Jet Engine Test Cell design standard, Lafayette River Complex, Norfolk, VA
- ◆ Waterfront Operations Small Craft Facility at the Naval Submarine Base New London, Groton, CT
- ◆ Special Project for the Repair of Deperming Piers, NAVSTA Norfolk's Lambert's Point, Norfolk, VA
- ◆ Marine Corps Special Operations Command (MARSOC) Complex, Camp Lejeune, Jacksonville, NC
- ◆ Dry Dock No. 8 Modernization, Norfolk Naval Shipyard (NNSY), Portsmouth, VA
- ◆ Seal Delivery Vehicle Team-2 Operations and Maintenance Facility, Naval Amphibious Base Little Creek, Norfolk, VA
- ◆ Consolidate Structural Shops, Portsmouth Naval Shipyard, Kittery, ME
- ◆ Consolidated Reserve Center, Schenectady County Airport, NY
- ◆ Elementary School and Child Development Center, Vicenza, Italy
- ◆ Additions to Headquarters, Supreme Allied Commander Transformation,

- Building NH-31, NSA, Norfolk, VA
- ◆ MH-60S Aircraft Maintenance Hangar, NS Norfolk, VA
- ◆ Assault Breacher Vehicle (ABV) Maintenance Facility, U.S. Marine Corps Base Camp Lejeune, NC
- ◆ V-22 Gearbox Repair and Test Facilities, Naval Aviation Depot, Cherry Point, NC
- ◆ V-22 Prop Rotor Blade Repair Facility, Naval Aviation Depot, Cherry Point, NC
- ◆ Consolidated Command Operations and Support Facilities, NS Rota, Spain
- ◆ Additions and Alterations to Fitness Center, Lajes Field, Azores, Portugal
- ◆ U.S. Joint Maritime Operations and Training Center, Marine Corps Base Camp Lejeune, Jacksonville, NC
- ◆ Airborne Deployment Facility comprising the Heavy Drop Rigging Facility and the Personnel Alert Holding Area, Aviano Air Force Base, Aviano, Italy
- ◆ New Elementary/Secondary School Construction and Renovation, Naval Air Station Sigonella, Sicily, Italy
- ◆ Pier 11 Replacement, NS Norfolk, VA
- ◆ Aircraft Maintenance Hangar Chambers Field, NS Norfolk, VA
- ◆ Barracks Complex, Camp Ederle at the Army Post in Vicenza, Italy
- ◆ Whole-House Revitalization for the SP Housing Area of the NAS Keflavík, Iceland
- ◆ Consolidated Academic Instructional Facility – Phase I and II, Marine Corps Base Camp Lejeune, Jacksonville, NC
- ◆ Combined Dining Facility, NAS Keflavík, Iceland
- ◆ U.S. National Bachelor Enlisted Quarters, U.S. National Elemental Support Complex, NATO Joint Command Southern, Larissa, Greece
- ◆ Physical Fitness Center, Marine Corps Base Camp Lejeune, NC
- ◆ Hancock and Slocum Villages Housing Project, MCAS, Cherry Point, NC
- ◆ Amphibious Operations/Maintenance Complex, Marine Corps Base Camp Lejeune, Jacksonville, NC
- ◆ Quality of Life I, construct a community building, administration building, chapel/religious education building, security facility, enlisted dining facility, two gate houses, and a temporary child development center, Naval Air Station Sigonella, Italy
- ◆ Bachelor Enlisted Quarters III, Naval Support Activity, Naples, Italy
- ◆ Aircraft Maintenance Hangar, NAS Oceana, Virginia Beach, VA
- ◆ Maintenance and Operations Facilities, 2nd RECON Battalion, Courthouse Bay, Marine Corps Base, Camp Lejeune, Jacksonville, NC
- ◆ Electromagnetic Aircraft Launching System (EMALS) Facility to be located at Naval Air Engineering Station (NAES) Lakehurst, NJ

***Various Clients & Projects***

- ◆ Design Charrette, Navy Operational Support Center, Pittsburgh Air Reserve Station, Pittsburgh, PA
- ◆ Tobyhanna Army Depot (TYAD), PA, relocation of electronic components, fire control systems and components, radar, and radio from Seal Beach Naval Weapons Station in California to TYAD
- ◆ Radar Test Range (C4ISR Maintenance Center Facilitation), TYAD, PA
- ◆ Fort Sam Houston BRAC Medical Education and Training Campus (METC) Headquarters Administration Building Project, San Antonio, TX
- ◆ Fitness Facility at Naval Station (NS) Newport, Newport, Rhode Island
- ◆ Navy Supply Corps School Training Building at the Naval Station Newport (NS Newport), Newport, Rhode Island
- ◆ U.S. Naval Facilities Engineering Command, Naval Air Station, Pensacola, FL, Aviation Physiological Training Facility
- ◆ U.S. Army Tank Automotive & Armament Command (TACOM), Warren, MI

## WATER TREATMENT AND CONVEYANCE FACILITIES

**Anglian Water Services,  
United Kingdom**

- ◆ Braintree Sewage Treatment Works
- ◆ Pyewipe Waste Water Treatment Plant
- ◆ Bury St. Edmunds
- ◆ Value Management Training Workshops - 1998, 1997, 1996

**South Bay Water  
Resources Authority,  
San Jose, CA**

- ◆ Santa Clara Pipeline, San Clara, CA
- ◆ 12 Street and Center Pipeline, San Jose, CA

**City of Riverside, CA  
Regional Water Quality  
Control Plant**

- ◆ Backup Power Source/Cogeneration Project
- ◆ Headworks Replacement Project

**City of Columbus, OH  
Department of Public  
Utilities, Division of  
Sewerage and Drainage**

- ◆ New Headworks Facilities for the Southerly Wastewater Treatment Plant (SWWTP)
- ◆ SWWTP, Effluent Disinfection Improvements
- ◆ Jackson Pike Wastewater Treatment Plant (JPWWTP) - Electrical Upgrade and PCB Removal
- ◆ Wastewater Treatment Facilities Instrumentation & Control System Upgrade
- ◆ JPWWTP, Sludge Handling and Dewatering Improvements
- ◆ JPWWTP, Disinfection Chemical Handling Facility Improvements
- ◆ SWWTP and JPWWTP, Sludge Holding System Improvement Project
- ◆ A-Plant Wet Weather Hydraulic Improvements at the JPWWTP, CIP
- ◆ SWWTP, Sludge Dewatering and Miscellaneous Improvements project
- ◆ SWWTP, Headworks, Part 2 project

**U.S. Naval Facilities  
Engineering Command,  
U.S. Naval Submarine  
Base, OICC-TRIDENT,  
Kings Bay, GA**

- ◆ Base Wastewater Treatment Plant Expansion
- ◆ Base Area Water Treatment Plant Industrial Wastewater Treatment Plant

**Various Clients &  
Projects**

- ◆ Rehabilitation of the Dogue Creek Sewage Pumping Station located in Alexandria, Virginia County of Fairfax, Department of Public Works and Environmental Services, Burke, VA
- ◆ Westborough Wastewater Treatment Plant, Westborough, MA
- ◆ City of New York Department of Environmental Protection, Jamaica Aquifer - Station 6 Demonstration Water Treatment Plant, Borough of Queens, NY
- ◆ Rockdale Water Resources, Quigg Branch Reclaimed Water Facility – Two Million Gallon per Day Expansion, Conyers, GA
- ◆ Pennsylvania-American Water Company, New Clarion Water Treatment Plant, Clarion Region, NJ
- ◆ Massachusetts Water Resources Authority (MWRA), Braintree-Weymouth Replacement Pump Station, Quincy, MA
- ◆ MWRA, Braintree-Weymouth Intermediate Pump Station, North Weymouth, MA
- ◆ Washington Water Power Company, Nine Mile Redevelopment, Spokane, WA
- ◆ Orange County Sanitation District, Trickling Filter Project, Huntington Beach, CA
- ◆ Ocean County Utilities Authority, Multiple Water Pollution Control Facilities SCADA Project, NJ
- ◆ Ocean County Utilities Authority, Southern Water Pollution Control Facility Upgrade, West Creek, NJ
- ◆ City of Shelton Water Pollution Control Authority, CT, Wastewater

- Treatment Facility Expansion and Upgrade
- ◆ New York City Office of Management and Budget, Newtown Creek Water Pollution Control Plant, Borough of Brooklyn, NY
- ◆ Tallman Island Water Pollution Control Plant, New York, NY
- ◆ North Bergen Municipal Utilities Authority, Central Plant Upgrade, North Bergen Township, NJ
- ◆ Ocean County Utilities Authority, Northern/Central/Southern Water Pollution Control Facility Supervisory Control and Data Acquisition (SCADA) Upgrade Project, Brick, Bayville, and West Creek, NJ
- ◆ City of Wilson, NC, Hominy Creek Wastewater Management Facility Upgrade and Expansion
- ◆ City of Columbus, OH, Big Walnut Sanitary Trunk Sewer Extension
- ◆ City of Columbus, OH, Big Walnut Outfall Augmentation Sewer and Rickenbacker Sewer
- ◆ Orange County Sanitation District (OCSD), CA, Primary Clarifier Nos. 16 - 31 and Related Facilities, OCSD Reclamation Plant No. 1, Fountain Valley, CA
- ◆ Midway Wastewater Treatment Plant, Midway, KY
- ◆ Meadville Area Sewer Authority, PA, Sewage Treatment Plant
- ◆ County of San Diego, CA, Valley Center Sewerage & Water Reclamation
- ◆ Back River Wastewater Treatment Plant, Baltimore, MD, Retrofit of Activated Sludge Facility
- ◆ Reidland Water-Sewer District, Paducah, KY, Phase II of the new wastewater treatment plant improvements project
- ◆ City of West Lafayette Wastewater Treatment Facilities, IN, WWTP upgrade
- ◆ Ponce Pump Station and Outfall Project, Puerto Rico Aqueduct and Sewer Authority, San Juan, PR
- ◆ Alterations and Additions to the Watertown Wastewater Treatment Facility, City of Watertown, SD
- ◆ North Shore Sanitary District, Clavey Road Sewage Treatment Plant Improvements Project, Gurnee, IL
- ◆ North Shore Sanitary District, Gurnee, IL, Gurnee Sewage Treatment Plant Improvements Project
- ◆ Clear Lake Sanitary District, Clear Lake, IA, Phase I improvements to the Clear Lake Wastewater Treatment Plant
- ◆ Washington Area Sanitary Utility Authority, Additional Aeration Facilities Project, Washington, DC
- ◆ Greater Vancouver Regional District, Solids Facilities - Stage III, Lulu Island Wastewater Treatment Plant expansion to a secondary treatment facility

## ENVIRONMENTAL PROJECTS

### *Various Clients & Projects*

- ◆ Sol Lynn/Industrial Transformers Superfund Site, Harris County, City of Houston, TX. Remedial design for soil and ground water cleanup.
- ◆ FMC Corporation's (FMC) Avtex Fibers Superfund Site – Basin Closure, Front Royal, Warren County, VA, Cleanup of zinc sludge and fly ash disposal areas

## OAK RIDGE NATIONAL LABORATORY

**Oak Ridge National  
Laboratory,  
U.S. Department of  
Energy**

- ◆ New Substation, K-25 Site, Oak Ridge, TN
- ◆ Paducah C-756 Waste Management Facility, Oak Ridge, TN
- ◆ Portsmouth Solid Waste Landfill (SWL) Project, Portsmouth Gaseous Diffusion Plant, Piketon, OH
- ◆ Low Level Waste Disposal Facilities, DOE Plant Sites, Oak Ridge, TN
- ◆ Replace Deteriorated Facilities, Office/Production Support Facilities, Y-12 Plant, Oak Ridge, TN
- ◆ Emergency Notification System, Y-12 Plant, Oak Ridge, TN
- ◆ Reduction of PCB Contamination in Ventilation Ducts at Gaseous Diffusion Plant, Paducah, KY
- ◆ Reduction of PCB Contamination in Ventilation Ducts at Gaseous Diffusion Plant, Portsmouth, OH
- ◆ Oak Ridge Reservation Storage Facilities, Oak Ridge, TN
- ◆ Installation of Fire Alarm Detection Systems, Y-12 Plant, Oak Ridge, TN

## Module One VE Training Instructor

- ◆ Ministry of Transportation, Ontario, Canada 2003
- ◆ Ministry of Transportation, Ontario, Canada – Highway 403/Queen Elizabeth Way Interchange, Toronto, Canada, 2001
- ◆ Ministry of Transportation, Ontario, Canada – Highway 8 Improvements, Toronto, Canada, 1997
- ◆ SAVE International Conference, Washington, D.C., 1998
- ◆ City of New York Office of Management and Budget, 1998 and 1999
- ◆ Atlantic Division, Naval Facilities Engineering Command, Norfolk, Virginia, 1997
- ◆ Anglian Water Ltd., London, U.K., 1996 and 1998