

# Sal P. Italiano, P.E.

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## EMPLOYMENT HISTORY

### **President - SPI Consulting Engineers, Inc.**

**Nov 1993 - Present**

My own consulting firm providing engineering services, with emphasis on excavation shoring design, to heavy construction contractors and owners throughout California. In business for 25 years and counting!

### **Resident Engineer - \$25M Contract for the City and County of San Francisco**

**Jun 1995 – Jan 1997**

This project involved construction of an underground storage box sewer in fills and bay mud. The excavation support system provided by the General Contractor involved jet grouting a 6-foot thick reaction block below the bottom of the new box sewer. The jet-grouted mass working in conjunction with the permanent steel piles provided base heave and lateral support resistance so that the vertical soil mixed walls only needed to be advanced slightly below the depth of excavation.

### **President - Advanced Shoring Construction, Inc.**

**Nov 1993 - Jun 1994**

Responsible for operations of a design/build firm involved in General Engineering Construction.

### **Project Manager - Condon Johnson and Associates**

**Oct 1987 - Nov 1993**

Managed and estimated general engineering projects with emphasis on excavation support, underpinning and jacking of structures. Also provided engineering support for companywide operations. Wrote computer estimating system used to bid work. Partial list of projects:

- **Lake Merritt Tower**- Excavation Support
- **UCSF Library**- Excavation Support & Caissons
- **Head Royce School**- Permanent Tiedback Walls
- **343 Sansome Street**- Excavation/Shoring
- **Federal Home Loan Bank**- Excavation Support/Exc.
- **Goldmine Hills**- Underpinning and Concrete Support
- **Sunrise Hills**-Reinforced Concrete Retaining Walls
- **SFSU**- Permanent Concrete/Steel Cantilevered Wall
- **Minor Hall**- Underpinning & Jacking of Structure
- **Pacific Renaissance Plaza**-Excavation/Shoring
- **Caltrans** -Curve Modification-Lake Tahoe

### **Construction Manager - Deleuw-Foster-Francis, J.V.**

**Mar 1986 – Oct 1987**

Performed all facets of Construction Management on the \$150 million Daly City Turnback Project for the Bay Area Rapid Transit District (BART).

### **Project Engineer - Underground Construction Co.**

**Jul 1985 – Feb 1986**

Assigned to \$11 million fiber optic installation project between Reno, Nevada and Oroville, CA.

**Estimator - Harrison Western Corporation****Oct 1984 – Jun 1985**

Performed computerized competitive bid estimating on heavy construction projects with emphasis on structural concrete and shoring and excavation. Projects worked on include the following:

- **Shaw Street Subway Station**, Washington D.C.
- **Anacostia Station**, Washington D.C.
- **Southwest Sewer Interceptor**, Cleveland, Ohio
- **Several wastewater handling projects**, Montreal, Canada

**Staff & Design Engineer / PM - Jacobs Associates****Jul 1980 – Oct 1984**

At Jacobs Associates I provided engineering services to Owners and Contractors in the Heavy Construction Industry. Performed Project Management (PM) duties for the Sewage Agency of Southern Marin (SASM) on a \$30M Wastewater treatment plant and appurtenant pipelines and pump stations. Designed timber and steel falsework for construction of the I280-680-101 highway interchange project in San Jose, CA. Involved in all facets of work including: Design of temporary excavation support systems, claims preparation, development of a computer estimating system, competitive estimating on \$1-60M projects including: Hood Canal floating bridge replacement, Terror Lake hydroelectric project in Alaska, various mini-hydroelectric projects (San Joaquin Valley).

**Engineer and Assistant Area Manager-Spencer, White and Prentis****Sept 1978 – Jun 1980**

Performed marketing to engineers, contractors and developers as well as design, estimating and field support for construction of excavation support systems.

**Engineer-Fairchild Republic Co.****Sept 1977 – Aug 1978**

Worked within the stress analysis group performing analysis and design of structural elements of the "A10" fighter aircraft.

**REGISTRATION PROFESSIONAL**

Registered Civil Engineer, California – License #34845

**EDUCATION**

B.E., Civil Engineering, Manhattan College, 1977

**CONTINUING EDUCATION**

Advanced Estimating Course, AGC  
 Seminars on Excavations/Foundations-SEANOC  
 Cost Effective Coping with Legal Issues Construction in the 1990's  
 and beyond- ASCE Lateral Design of Building Structures  
 ADSC, DFI, AGC Seminars

**ORGANIZATIONS**

Member ASCE, AGC, AGCC, ADSC, DFI