



locations in San Antonio, New Orleans, Dallas, Minneapolis, and Philadelphia.

**Director of Engineering, Olden and Company, Dallas, Texas (1989-1991)**

- Responsible for management of structural engineering, estimating, computer resources and technical services in Dallas and California operations with annual sales of \$30 million.
- Negotiated with general contractors and/or owners/developers on multi-million dollar contracts.
- Directed negotiations with customers and suppliers regarding scheduling and manpower to achieve appropriate schedules to complete projects on time.
- Provided technical support for the Company and managed the Technical Services Group which provided consulting services to owners, developers and architects.
- Organized and developed a team approach to manage effectively the Engineering Group and Estimating Group, which supported the Project Managers and a staff of 50 salaried employees.

**Chief Engineer, Olden and Company, Dallas, Texas (1984-1989)**

- Directed and managed the Engineering Group and implemented a computer assisted engineering system to improve productivity within the engineering department.
- Implemented a Computer Aided Design (CAD) system which was used in the design/development and production.
- Estimated projects for lump sum and guaranteed maximum contracts for the Company.

**Project Manager, Olden and Company, Dallas, Texas (1978-1983)**

- Managed commercial building projects including production of shop drawings, scheduling, purchasing and expediting.
- Monitored shop and field activities to insure timely and profitable operation of contracted work.

**Engineering Research Associate, Texas Transportation Institute, Dallas, Texas (1977-1978)**

- Managed the Dallas office of TTI responsible for research studies on bus priority signalization and computer coordinated intersection signals along the North Central Corridor.

**Engineering Research Associate, Texas Transportation Institute, College Station, Texas (1976-1977)**

- Responsible for design and implementation of highway research studies funded by the Federal Highway Administration and the Texas State Department of Highways and Public Transportation.

**Publications**

"Frontage Road Ramp to Cross-Street Distance Requirements in Urban Freeway Design", TRB No. 682.

"An Approach to Real-Time Diversion of Freeway Traffic During Maintenance Operations", TRB No. 683.

"Analysis of Diamond Interchange Operation and Development of a Frontage Road Level of Service Evaluation Program - PASSER III - Final Report", TTI Research Report 178-2F.

**Representative Projects (Selected, Olden and Company)**

- First Place, Tyler, Texas - 12-Story Structure - Contract: \$522,014
- Reunion Arena, Dallas, Texas - Sports Arena - Contract: \$684,013
- Diamond Shamrock Building, Dallas, Texas - 34-Story Structure - Contract: \$3,693,410
- First Texas Savings Association, Dallas, Texas - 11-Story Structure - Contract: \$1,571,742
- Southwestern Bell Telephone, Dallas, Texas - 37-Story and 14-Story Structures - Contract: \$4,350,936
- Walnut Glen Tower, Dallas, Texas - 17-Story Structure - Contract: \$4,038,305
- The Crescent, Dallas, Texas - Multi-use Office, Hotel and Retail Center - Contract: \$5,287,140
- Texas Commerce Tower at 2200 Ross, Dallas, Texas - 56-Story Structure - Contract: \$18,600,000
- Wilshire Landmark II, Los Angeles, California - 17-Story Structure - Contract: \$6,000,000
- St. Luke=s Medical Tower, Houston, Texas - 32-Story Structure - Contract: \$7,300,000
- Greyhound/ Dial Corporate Headquarters, Phoenix, Arizona - 24-Story Structure - Contract : \$6,530,487
- Liberty Place II, Philadelphia, Pennsylvania - 60-Story Structure - Contract: \$18,650,000

**References Available Upon Request**