

Jack Mentink, P.E.

Principal



EDUCATION

B.S. Civil Engineering
University of Missouri-Rolla - Rolla, Missouri

Environmental Engineering
Coursework toward Master's Degree

REGISTRATION

Registered PE, State of Missouri
No. E-22967

Registered PE, State of Colorado
No. 31095

AFFILIATIONS

Professional

- Member, National Society of Professional Engineers
- Member, Missouri Society of Professional Engineers
- Member, Board of Directors, Rolla Chapter MSPE
- Member, American Society of Civil Engineers
- Member, American Public Works Association

Civic

- Two-Term City Councilman, Ward 6 - City of Rolla

Other

- Active member of local non-denominational church

PROFESSIONAL EXPERIENCE

Principal

Integrity Engineering, Inc. - Rolla, Missouri
March 1996 to Present

- Responsible for mechanical, electrical, plumbing and structural divisions for architectural projects
- Responsible for client relations and public presentations for major parks and recreations projects
- Principal consultant on architectural projects, including cost-effective design analysis, project budgeting, bidding procedures and construction management supervision

- Perform engineering consulting, analysis, design, construction administration, project development, management, marketing and servicing of clients
- Provide mapping; subdivision design; structural, mechanical and site design for architectural projects; waste treatment facilities; subdivisions and water system design

Principal

Jack Mentink Engineering - Rolla, Missouri

June 1992 to 1995

- Performed various studies and designs of water, sewer and public facilities for several existing and proposed subdivisions and commercial facilities of various types

City Engineer

City of Sullivan - Sullivan, Missouri

June 1992 to 1996

- Established a capital improvements program entailing promotion and passage of a capital improvement sales tax and General Obligation Bond issue (\$4.2 million)
- Completed a study of all unsewered areas of town, including cost estimates and funding alternatives for the improvements
- Implemented a total revision of the city's subdivision code to include technical standards for storm sewers and detention ponds (run-off control), as well as street, sanitary and water system requirements
- Set up a formal review process for public improvement plans
- Served as the city's representative in a PRP group responsible for remediating the city's former landfill that contained hazardous waste and required extensive ground water monitoring and geotechnical analysis; remediating the site included the installation of a VLDPE membrane cap, leachate collection system and extensive site grading (total project cost: \$5,000,000 plus)
- Guided city officials in quality-based selection of engineering and architectural consultants for several projects, and the performing of all liaison work with consultants employed by the city

In-House Design Projects:

- A state-of-the-art four-field ballpark complex (\$1 million+)
- A 22,000-square-foot industrial building
- A new 1,700-foot-deep rock well for the city with estimated production of 600 GPM
- Drainage studies of various areas of town resulting in design and construction management of several large storm sewer and detention pond projects
- Design and construction inspection of a 10-unit T-hangar building
- Design and construction inspection of a salt storage building
- Design of a computer model of the city's municipal water system

Project Manager

Stack & Associates-Engineers, Architects & Surveyors - St. James, Missouri

August 1986 to June 1992

- Handled all client relations including correspondence, public presentations and marketing of professional engineering services to commercial, industrial and municipal clients
- Established and supervised the firm's geotechnical laboratory and managed personnel
- Scheduled and supervised drafters, field survey crews and inspectors

Project Responsibilities: Design responsibilities of the following projects included mechanical, electrical, structural, environmental and general civil engineering skills. Construction costs ranged from \$5,000 to \$3,000,000.

- Designed new sanitary sewer systems for sewer district including sewer lines (60,000 feet) and aerated lagoon treatment system
- Design of major renovation of mechanical treatment plant
- Many major water and sewer line projects
- Energy conservation projects

- Site improvement projects
- Street and storm sewer improvements
- Industrial, commercial, and residential building projects
- Permitting and construction inspection of earth embankment dams, water wells and storage facilities

Project Engineer

Missouri Engineering Corporation - Rolla, Missouri

September 1984 to August 1986

- Managed the construction of a tertiary treatment oxidation ditch wastewater treatment plant and water system improvements including performing detailed field inspections, checking pay estimates, preparing change orders, plant startup and project budget preparation
- Designed and managed construction of an industrial wastewater treatment facility that included chemical conditioning, dissolved air flotation, aeration and storage, vacuum sludge thickening, slow-rate land application and a large laboratory and control building; entailed preparation of plans and specifications, supervision of construction, writing of an operation and maintenance manual and performing of startup services for the municipality
- Designed wastewater treatment plants (aerated lagoon and activated sludge) for two state prisons
- Updated several municipal sewer system facility plans and wrote municipal compliance plans
- Performed reinforced concrete design for the firm on various projects
- Designed modifications to an existing water treatment plant and designed several sanitary sewer replacement projects

Field Engineer

City of Rolla - Rolla, Missouri

October 1983 to August 1984

- Performed detailed technical inspections of all new public works construction done for the City of Rolla including sanitary sewer, storm sewer, roads and bridges
- Assisted in design of projects including sanitary and storm sewers and roads
- Performed inspections of all subdivision work done in city right-of-way
- Assisted in rewriting of City of Rolla technical specifications
- Prepared bid documents and administered construction contracts
- Involved in implementation of pavement management system
- Served on city's computer selection committee