



andy@mrpe.com
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Andy has developed professional engineering expertise by designing and managing a number of challenging projects in a variety of public and private settings. He has continued to advance his knowledge of difficult engineering applications by taking on challenging projects and assignments throughout his 40 plus year career.

While working for the City of Sacramento for over 32 years, Andy developed numerous computer applications and macros to help solve difficult engineering problems and to enable more timely project completion. While at the City, Andy reviewed development plans for over 100 subdivisions, designed and managed projects including bridges, roadway improvements, and drainage, sewer and water facilities. Andy managed the multi-million dollar, five phase Marina Expansion project to successful completion. For over half his career with the city, Andy also managed the multi-million dollar per annum drainage capital improvement program for the Department of Utilities.

Andy was recently responsible for completing and publishing the Standard Specifications for the city of Sacramento and to revise and publish the design and procedure manual for drainage projects, including drainage pump stations. Andy provides expertise for a variety of structural and civil engineering tasks, such as:

- **Engineering/Design Support:** Andy combines his knowledge of land development, hydraulics, hydrology, surveying, structural engineering, roads and bridges to design and oversee the design of a wide variety of municipal and private engineering projects.
- **Project Management:** Andy has a working knowledge and extensive experience in putting together all the pieces to bring complex projects to fruition: project planning, cost estimates, design, special provisions, permits, environmental considerations, design oversight, bidding, construction contracts, and construction oversight.
- **Design Oversight:** Andy is an expert in planning and design oversight: whether for in-house staff, municipalities or consultant work. Andy considers technical engineering, building code requirements, permit requirements, environmental concerns, practicality, constructability and cost to help attain the best possible project, on time and within budget.
- **Construction Oversight:** After completing a project with proper attention to constructability and cost considerations, Andy is experienced in seeing a project through to the completion of construction. Although he has provided limited field inspection, Andy's expertise is in construction oversight: reviewing submittals, monitoring project progress, providing engineering expertise to resolve concerns, developing change orders that are practical and less costly and helping insure that projects are completed on time and within budget.

Related Employment History

'10 to Present, MRPE, Inc.

Provide Structural and Civil Engineering support and Construction oversight to facilitate project development, design, and construction.

'78 to '10 City of Sacramento

Supervisor with Department of Utilities and Public works providing program management, project management, planning, design, and construction support for water, sewer, drainage, transportation, architectural, marina, and landfill expansion projects.

'71 to '78, Engineering Firms

Engineer-in-training for Engineering and Architectural firms in Utah and Sacramento. Working drawings, rendering, land development, surveying, drafting and structural engineer for a civil and architectural projects.

'78 to Present, Private Business

Operate successful private business for structural design of residences and small commercial buildings, surveying and land development projects

Education:

BS, Civil Engineering
Brigham Young University, Provo, Utah,
emphasis in structural engineering design

Registration:

Professional Civil Engineer
#30513 (CA)