

1

Company Profile



Joseph E. Bonadiman & Associates, Inc. (JBA) is dedicated not only to superior professional services, but also to its clients. By recognizing the needs of our clients first, we are able to more fully appreciate the scope of any project, large or small. We have served Southern California since 1941, and our attention to detail brings back repeat clients, year after year.

We are now into our third generation of Bonadimans, and wish only to continue our proud tradition.

Summary Profile

JBA has provided professional Civil Engineering and Land Surveying services to Southern California since 1941. For over three generations, we have had unparalleled success in residential and commercial development (including Master Plans), public works, hydrology and hydraulics (including Master Drainage Plans), aerial and field surveying and base mapping, feasibility analyses, Geographic Information Systems (GIS), expert witness consulting, and forensic engineering. Examples of our major professional accomplishments include the following:

Project	Location
Ontario International Airport	Ontario, CA
Chavez Ravine (L.A. Dodgers Stadium) Engineering/Design	Los Angeles, CA
Edwards Air Force Base 110-Mile Boundary/Retracement Survey	San Bernardino County, CA
Champions Park Engineering/Design	Inyo County, CA
\$23.5 Million Old Castle Concrete Block Manufacturing Plant	Fontana, CA
23 Miles of 48" Water Transmission Main Line Design	San Bernardino, CA
5,100 Acre Drainage Master Plan	Victorville, CA
Hydrographic Survey for the United States Navy	Long Beach, CA
900 Square Mile Marine Base Survey	San Bernardino County, CA
70 Miles of Miscellaneous-Size Water Transmission Main Line Design	Phelan, CA

JBA's technical capabilities include the full spectrum of AutoDesk Land Development software applications, all ESRI ArcView GIS applications, HEC-RAS/HEC-6, the FLO-2D Floodplain Analysis program, and GPS, as well as various graphic design and reprographics capabilities. JBA's sister company, CivilDesign® Corporation, develops industry-standard hydrology and hydraulics software commercially and for in-house use.

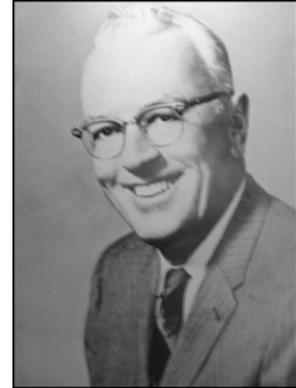
The firm currently employs Project Managers, Civil Engineers, Hydrologists, Professional Land Surveyors, Design Technicians, GIS Analysts, survey crews, and administrative personnel. All of our employees are well versed in their respective areas of expertise.



JBA operates a corporate office in the Civic Center area of San Bernardino, CA, within walking distance of most major County and City of San Bernardino departments; centered in this location is our dedicated Water Resources Department and our dedicated GIS Department.

History

Joseph E. Bonadiman, P.E, founded JBA in 1941. For half a century, Mr. Bonadiman cleared the way for homes, factories, airports, parks and schools, and numbered the design of the Ontario International Airport and other massive development projects among his professional successes.



Joseph E. Bonadiman, P.E.

Mr. Bonadiman served the community as a member of the San Bernardino County Air Pollution Control District and chairman of the San Bernardino Valley Municipal Water District (SBVMWD). As a charter member of the California Society of Professional Engineers, Los Angeles Chapter, he was a Privileged Member of that society and earned the Community Service Award from the American Society of Civil Engineers (ASCE).

Mr. Bonadiman's son, Joseph S.C. Bonadiman, P.E., became President of the firm in 1979. Under his direction, JBA formed its sister company, CivilDesign® Corporation, and developed the CIVILCADD® suite of Civil Engineering software applications. In 1985, Dennis W. Jackson, P.E. joined the firm and expanded CivilDesign's development efforts to include the hydrology and hydraulics applications that have become industry standards and are used by hundreds of professionals in the public as well as private sectors.

Joseph S.C. Bonadiman's son, Edward J. Bonadiman, P.L.S., became President of JBA in 2004. His leadership has allowed the firm to include various new and emergent technologies in its portfolio, such as geospatial analysis and three-dimensional hydrology and hydraulics modeling. Even with these advancements, however, the firm has not lost focus on the core competencies that have been instrumental to its success. In an ever-evolving industry, JBA has remained true to its original mission: superior service and an unwavering dedication to its clients.

Primary Strengths

Since 1941, the fundamental strengths of our firm have consistently served as the basis for our professional success, which has in turn resulted in the success of our clients. These strengths include:

1. Professional Experience

JBA has successfully completed virtually every type of Civil Engineering design/development project, including large-scale residential and commercial developments, public works projects, hydraulic analyses, hydrology studies/hydrology master plans, water/wastewater systems modeling and analysis, feasibility studies, aerial and field survey projects, and Geographic Information System (GIS) design and development. This broad spectrum of work has given JBA a wealth of knowledge that



has proven extremely beneficial in successful project research, management, and budgeting.

Our employees, who bring their own personal expertise, qualifications and creative approach to each project, augment the solid foundation of our firm's experience. Our project team members are carefully selected based on their diverse individual abilities, in order to provide the best task-to-talent match to meet the specific needs of our clients.

Abridged resumes for key JBA personnel can be found in *Section 10*. The academic achievements, professional registrations, and years of professional experience of key personnel are summarized as follows:

Personnel	Education	Professional Registration	Years Experience
COMPANY LEADERSHIP			
Edward J. Bonadiman, P.L.S. President	B.A. Management M.B.A.	Professional Land Surveyor	19
Joseph S.C. Bonadiman, P.E. C.E.O.	B.S. Civil Engineering M.S. Civil Engineering PhD Civil Engineering	Civil Engineer	42
PROFESSIONAL ENGINEERS			
Dennis W. Jackson, P.E. Senior Water Resources Engineer	B.S. Civil Engineering	Civil Engineer	25
Jay Gunther, P.E. Senior Project Engineer	B.S. Civil Engineering M.E. Civil Engineering	Civil Engineer	26
J.T. Stanton, P.E., L.S.I.T. Associate Project Engineer	B.S. Civil Engineering	Civil Engineer	9

2. Effective Project Management

Strong and effective project management is the key to good communication and the ultimately successful completion of any project. JBA understands the vital importance of diligent management of application/submittal deadlines, budgetary constraints, review meetings with public agencies, and the acquisition of permits.

As such, we have implemented various project management protocols to guarantee the efficiency and cost-effectiveness of our projects. These protocols include, as appropriate, single-source contacts between client and JBA personnel, dedicated Quality Assurance/Control and Project Oversight personnel, utilization of enterprise-level project management software and dedicated project intranets/FTP's, document control to track applications, submittals, and revisions, and meetings coordination to keep our clients as well-informed as possible.

Client Relationships

Our company focus has always been, and will continue to be, on our clients. JBA is proud to have long history of repeat work partnerships with its diverse group of clients. We believe that this is due to our ability to meet the needs of our clients regardless of the size of the project. As such, our portfolio of work ranges from single-lot surveys to 1,200-lot subdivisions and master plan developments.



3. Public Agency Relationships

JBA's excellent professional relationships with various public agencies and municipalities throughout Southern California have continued to be essential to the success of our firm's projects. Throughout the last six decades, these relationships have been fostered in three primary ways:

Successful Public Works Projects

JBA has a firm commitment to serving the needs of municipal agencies throughout Southern California. We have completed numerous successful public works projects working closely with public agencies, and these projects have led to long-standing contacts and relationships. A select list of our Public Agency References can be found in *Section 5*.

Consulting Engineer Services

Throughout the years, many JBA personnel have served as Consulting Engineers for municipalities and/or have held Civil Engineering positions at public agencies in the past. These experiences have given our staff an intimate understanding of the inner workings of public works engineering, and have led to close relationships with public agency staff.

Software Development & Support

JBA's affiliate corporation, **CivilDesign®**, has been involved in the development of hydrology and hydraulics software for over two decades. Our software has been approved for use in hydrology/hydraulics studies by the counties of **San Bernardino, Riverside, Orange, San Diego, Kern, and Los Angeles, CalTrans, and FEMA**. These agencies also actively use our software, which we provide them at reduced charge, in addition to free technical support. As a result, our software development helps us continue our active working relationships with these agencies.

4. Technical Capabilities & Resources

The Civil Engineering and Land Surveying industries are reliant upon cutting-edge technology to continually advance the accuracy and efficiency of professional engineers and surveyors. As such, JBA has made every effort to implement all emergent technologies. Our design staff utilizes the latest versions of all industry-standard design software. Beginning with our in-house CivilCADD® software developed in 1979, we have taken advantage of other applications such as AutoDesk's Land Development Desktop/Civil 3D suite of design software, ESRI's ArcGIS applications and extensions, The U.S. Army Corps of Engineers HEC-RAS/HEC-6 applications, and the FLO-2D floodplain analysis application. Our survey department is equally well equipped, utilizing the most advanced total stations, electronic levels, and GPS systems available on the market.

Our in-house sister software development company, CivilDesign® Corporation, provides JBA with a comprehensive suite of civil engineering software, including hydrology/hydraulics applications that are considered by many to be industry-standard. Many of JBA's water resources engineers have also been involved in the actual development of our hydrology/hydraulics software and routinely assist other firms and public agencies nationwide regarding effective use of the software.



CIVILDESIGN®
Software for Engineers. By Engineers



A comprehensive list of our technical capabilities, resources, and equipment can be found in *Appendix B*.

Recent Awards & Acknowledgements

Throughout its history, JBA and its employees have received numerous awards and acknowledgements for its achievements in the various disciplines of Civil Engineering. Recent awards include:

Award/Acknowledgement	Year
Joseph S.C. Bonadiman, P.E. - ASCE ¹ Engineer of the Year	2005-2006
ASCE ¹ Honorable Mention - Outstanding Project of the Year ²	2004-2005
Dennis W. Jackson, P.E. - ASCE ¹ Engineer of the Year	2003-2004

¹ San Bernardino/Riverside Counties Branch

² Presented to **JBA** & San Bernardino County Flood Control District for Emergency Basins Repair Project

Core Competencies

We have arranged the remaining sections of this SOQ to reflect our core competencies, as follows:

- Residential Development (see *Section 2*)
- Industrial/Commercial Development (see *Section 3*)
- Mobile Home & Recreational Vehicle (R.V.) Park Development (see *Section 4*)
- Municipal Services (see *Section 5*)
- Water Resources Engineering (see *Section 6*)
- Land Surveying & Mapping (see *Section 7*)
- Feasibility, Planning & Geographic Information Systems (GIS) (see *Section 8*)
- Forensic Engineering & Expert Witness (see *Section 9*)

Included in each of the above-referenced sections are select lists of Example Projects and Client References specific to the core competency in question.

Inquiries

We welcome any inquires from potential clients as to the qualifications, experience, and capabilities of our firm. Please contact JBA using the following methods:

Telephone: **(909) 885-3806**

E-Mail: **info@bonadiman.com**

Facsimile: **(909) 381-1721**

Web: **www.bonadiman.com**

