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## **EDUCATION**

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**Colorado State University**, Fort Collins, Colorado

Bachelor of Science, Major in Civil Engineering

Additional Studies – Colorado State University, University of Colorado-Denver, University of Kansas

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## **PROFESSIONAL REGISTRATION**

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Professional Engineer – Colorado No. 14001

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## **EXPERIENCE**

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**Chief of Engineering**, Engineering Department, Denver Water, Denver, Colorado

May 1993 – Present

- Supervise and direct engineering efforts in the preparation of engineering designs, plans and specifications, and studies for capital improvements and maintenance efforts for a wide variety of facilities relating to the water system, including collection, storage, treatment and distribution of treated water.
- Responsible for various engineering disciplines, including civil, chemical, mechanical, electrical, dam safety, and drafting functions.
- Develop and maintain engineering design and construction standards, including developing and implementing policy, technology, and programs.
- Participate in and direct studies involving complex cooperative water supply alternatives dealing with various water users, suppliers, utilities, and many regulatory agencies with the goal of determining the most efficient, cost effective, environmentally sound, and publicly acceptable ways to satisfy needs of water users and special interest groups.

**Engineering Manager**, Engineering Department, Denver Water, Denver, Colorado

December 1981 – April 1993

- Continued project engineer duties on several projects, including design and contract document preparation.
- Administered and supervised the design and construction inspection function within the project engineering group for projects related to department facility improvements.
- Provided quality control and project direction to ensure proper standards were being adhered to and that contract documents were being followed.
- Developed and administered engineering criteria for waterworks engineering functions, including pipe design criteria and specifications for water conduit piping 24-inch and larger. Ensured that the latest standards were being followed and that state-of-the-art criteria were being considered. Worked with inside sections and outside agencies for determining suitability of existing water conduits to perform under proposed changes in overfill or internal pressure.

**Design Engineer**, Engineering Department, Denver Water, Denver, Colorado

November 1974 – November 1981

- Responsible for the design of various civil engineering projects of varying complexity related to department facilities. Projects consisted of water distribution mains, large water conduits, raw water collection systems, plant maintenance work, river channel improvements, and other similar water related projects. Appurtenant features included pressure reducing stations, control valve complexes, and water diversion and measurement structures.
- Responsible for preparation of construction plans and specifications suitable to take competitive bids and award the construction contract.
- Assisted in and coordinated various engineering studies to determine necessary improvements, additions, or modifications to the water system.
- Supervised engineers and drafters assisting in the design work and preparation of plans and specifications.

**Project Engineer**, Rea-Cassens and Associates, Englewood, Colorado

March 1972 – October 1974

- Designed water distribution systems, sanitary sewer collection systems, storm sewer collection systems and street design in new subdivisions and in developed areas, including obtaining preliminary field investigations, preparation of design drawings, specifications, construction cost estimates, field layout, and inspection of the construction.
- Responsible for the whole project from the initial field work through design and construction, right through final payment and preparation of "As Constructed" drawings.
- Participated in design and construction inspection of raw water conduits, ditch and channel improvements, small dams, sewage lift stations, treated water pump stations and a sewage treatment plant.
- Conducted surveys of sanitation district sewer systems, putting together capacity studies and systems analyses, including final reports recommending improvements to alleviate capacity problems.
- Supervisory responsibilities included checking drawings, supervising drafters on design drawings, and ensuring the projects under construction were completed in accordance with the plans and specifications.

**PROFESSIONAL SOCIETIES**

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- American Water Works Association  
Member AWWA Standards Council 2000 – 2006, 2009 -  
Member AWWA Standards Committee on Air Valves 1986 - Present  
Member AWWA Standards Committee on Steel Pipe 1986 – Present  
Chair AWWA Standards Committee on Steel Pipe 2004 – Present
- American Society of Civil Engineers  
Member ASCE Committee on Steel Pipe Penstocks  
Chair, Committee on Revision of MOP 79 Steel Pipe Penstocks  
Rickey Medal Award 1994
- American Welding Society
- Society for Protective Coatings
- National Association of Corrosion Engineers
- AWWARF  
Participant in "Service Life Analysis of Water Main Epoxy Lining", Study 91154, Published 2006  
Project Advisory Committee on "Failure of Prestressed Concrete Cylinder Pipe", Study 91214,  
Published 2008

**INVOLVEMENTS**

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Denver Water Representative to Waterworks Management Group (Dirty Dozen)  
Denver Water Representative to Prestressed Concrete Cylinder Pipe Users Group  
Metro Wastewater Reclamation District – Board of Directors

**PUBLICATIONS/PRESENTATIONS**

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- John H. Bambei, Jr., A. Lee Cesario, and Alan J. Crouch, "Planning a Treated Water System for the New Denver International Airport", AWWA Annual Conference, Philadelphia, PA, June 1992
- John H. Bambei, Jr. and Richard A. Lewis, "Correlation of Wire Breaks on Prestressed Concrete Cylinder Pipe with Predictions from Electromagnetic Testing", ASCE Pipelines Conference, Houston, TX, August 2005
- John H. Bambei, Jr., "Steel Pipe and Corrosion Protection", AWWA DSS, Austin, TX, September 2008
- John H. Bambei, Jr., and Dennis A. Dechant, "Welded Steel Pipe Lap Joints – An Evolution", ASCE Pipelines Conference, San Diego, CA, August 2009
- John H. Bambei, Jr., and J. Warren Green, "Design and Application of AWWA Steel Ring Flanges", ASCE Pipelines Conference, San Diego, CA, August 2009